

State of California  
California Regional Water Quality Control Board, Los Angeles Region

Draft Technical Staff Report

Evidence in support of an  
Amendment to the  
*Water Quality Control Plan for the Coastal Watersheds  
of Los Angeles and Ventura Counties*

to Prohibit On-site Wastewater Disposal Systems  
in the Malibu Civic Center Area

*Technical Memorandum #2: Pathogens and Nitrogen in Wastewaters Impair  
Underlying Groundwater as a Potential Source of Drinking Water*

by  
David Koo\*

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\* The author would like to thank Regional Board staff, Joe Luera and interns Yifei Tong, Ryan Thacher, Shentong Lu, and Justin Tang for their assistance in preparing map, tables and graphs.

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Staff revised Table 1, Table 2, Figure 1, and Figure 2, For Attachment 2-1, all tables have been revised and 12 new tables were added. For Attachment 2-2, all graphs have been revised and 12 new graphs were added. These tables and graphs, listed below, have been revised or replaced from the draft dated August 6, 2009:

| Corrected Tables  | Page   |
|---|--------|
| Table 1: Summary of Groundwater Pollution                         | TM2-5  |
| Table 2: Summary of Groundwater Wells in Malibu Civic Center Area | TM2-7  |
| Malibu Administrative Center Well #7b                             | TM2-9  |
| Malibu Administrative Center Well #8                              | TM2-10 |
| Malibu Country Mart I Well MW-1                                   | TM2-11 |
| Malibu Country Mart I Well MW-2                                   | TM2-12 |
| Malibu Country Mart I Well MW-3                                   | TM2-13 |
| Malibu Country Mart II Well MW-1                                  | TM2-14 |
| Malibu Country Mart II Well MW-2                                  | TM2-15 |
| Malibu Country Mart II Well MW-3                                  | TM2-16 |
| Malibu Country Mart III Well MW-1                                 | TM2-17 |
| Malibu Country Mart III Well MW-2                                 | TM2-18 |
| Malibu Country Mart III Well MW-3                                 | TM2-19 |
| Malibu Creek Plaza Well #1  | TM2-20 |
| Malibu Creek Plaza Well #2  | TM2-21 |
| Malibu Creek Plaza Well #3  | TM2-22 |
| Malibu Creek Plaza Well #4  | TM2-23 |
| Malibu Creek Plaza Well #5  | TM2-24 |
| Malibu Creek Plaza Well #6  | TM2-25 |
| Malibu Lumber ML MW-1, ML MW-2, ML MW-3, ML MW-4, ML MW-5         | TM2-26 |
| Malibu Colony Plaza Well #1                                       | TM2-27 |
| Malibu Colony Plaza Well #2                                       | TM2-28 |
| Malibu Colony Plaza Well #3                                       | TM2-29 |
| Malibu Colony Plaza Well #4                                       | TM2-30 |
| Malibu Colony Plaza Well #5                                       | TM2-31 |
| Malibu Civic Center Area Well C-1                                 | TM2-32 |
| Malibu Civic Center Area Well C-2                                 | TM2-33 |
| Malibu Civic Center Area Well MW-5                                | TM2-34 |
| Malibu Civic Center Area Well P-1                                 | TM2-35 |
| Malibu Civic Center Area Well P-7                                 | TM2-36 |
| Malibu Civic Center Area Well P-9                                 | TM2-37 |
| Malibu Civic Center Area Well SMBRP-1                             | TM2-38 |
| Malibu Civic Center Area Well SMBRP-2                             | TM2-39 |
| Malibu Civic Center Area Well SMBRP-3c                            | TM2-40 |
| Malibu Civic Center Area Well SMBRP-6                             | TM2-41 |
| Malibu Civic Center Area Well SMBRP-7b                            | TM2-42 |
| Malibu Civic Center Area Well SMBRP-8                             | TM2-43 |
| Malibu Civic Center Area Well SMBRP-9                             | TM2-44 |
| Malibu Civic Center Area Well SMBRP-10c                           | TM2-45 |
| Malibu Civic Center Area Well SMBRP-11                            | TM2-46 |
| Malibu Civic Center Area Well SMBRP-12                            | TM2-47 |
| Malibu Civic Center Area Well SMBRP-13                            | TM2-48 |
| Malibu Civic Center Area Well SMBRP-14                            | TM2-49 |
| Malibu Civic Center Area Well SMBRP-15b                           | TM2-50 |
| Malibu Civic Center Area Well SMBRP-16                            | TM2-51 |
| Malibu Water Pollution Control Plant Well WPCP-1                  | TM2-52 |
| Malibu Water Pollution Control Plant Well WPCP-2                  | TM2-53 |
| Malibu Water Pollution Control Plant Well WPCP-3                  | TM2-54 |
| Malibu Water Pollution Control Plant Well WPCP-4                  | TM2-55 |
| Malibu Water Pollution Control Plant Well WPCP-5                  | TM2-56 |
| Malibu Water Pollution Control Plant Well WPCP-6                  | TM2-57 |

|  |         |   |
|--|---------|---|
| Malibu Water Pollution Control Plant Well WPCP-7             | TM2-58  | D |
| Surfrider Beach Well SB-1                                    | TM2-59  |   |
| Surfrider Beach Well SB-2                                    | TM2-60  | R |
| Malibu Beach Inn Well MW-1                                   | TM2-61  |   |
| Malibu Beach Inn Well MW-2                                   | TM2-62  | A |
| Malibu Beach Inn Well MW-3                                   | TM2-63  |   |
| <br>Corrected Graphs   |         |   |
| Figure 1 – Groundwater wells in the Malibu Civic Center Area | TM2-2   |   |
| Figure 2 – Groundwater Quality Compliance Status             | TM2-6   | F |
| Malibu Administrative Center Well #7b                        | TM2-65  |   |
| Malibu Administrative Center Well #8                         | TM2-66  | T |
| Malibu Country Mart I Well MW-1                              | TM2-67  |   |
| Malibu Country Mart I Well MW-2                              | TM2-68  | O |
| Malibu Country Mart I Well MW-3                              | TM2-69  | C |
| Malibu Country Mart II Well MW-1                             | TM2-70  |   |
| Malibu Country Mart II Well MW-2                             | TM2-71  | T |
| Malibu Country Mart II Well MW-3                             | TM2-72  |   |
| Malibu Country Mart III Well MW-1                            | TM2-73  | O |
| Malibu Country Mart III Well MW-2                            | TM2-74  | C |
| Malibu Country Mart III Well MW-3                            | TM2-75  |   |
| Malibu Creek Plaza Well #1                                   | TM2-76  | T |
| Malibu Creek Plaza Well #2                                   | TM2-77  |   |
| Malibu Creek Plaza Well #3                                   | TM2-78  | O |
| Malibu Creek Plaza Well #4                                   | TM2-79  | C |
| Malibu Creek Plaza Well #5                                   | TM2-80  |   |
| Malibu Creek Plaza Well #6                                   | TM2-81  | T |
| Malibu Lumber ML MW-1, ML MW-2, ML MW-3, ML MW-4, ML MW-5    | TM2-82  |   |
| Malibu Colony Plaza Well #1                                  | TM2-83  | O |
| Malibu Colony Plaza Well #2                                  | TM2-84  | C |
| Malibu Colony Plaza Well #3                                  | TM2-85  |   |
| Malibu Colony Plaza Well #4                                  | TM2-86  | T |
| Malibu Colony Plaza Well #5                                  | TM2-87  |   |
| Malibu Civic Center Area Well C-1                            | TM2-88  | O |
| Malibu Civic Center Area Well C-2                            | TM2-89  | C |
| Malibu Civic Center Area Well MW-5                           | TM2-90  |   |
| Malibu Civic Center Area Well P-1                            | TM2-91  | T |
| Malibu Civic Center Area Well P-7                            | TM2-92  |   |
| Malibu Civic Center Area Well P-9                            | TM2-93  | O |
| Malibu Civic Center Area Well SMBRP-1                        | TM2-94  | C |
| Malibu Civic Center Area Well SMBRP-2                        | TM2-95  |   |
| Malibu Civic Center Area Well SMBRP-3c                       | TM2-96  | T |
| Malibu Civic Center Area Well SMBRP-6                        | TM2-97  |   |
| Malibu Civic Center Area Well SMBRP-7b                       | TM2-98  | O |
| Malibu Civic Center Area Well SMBRP-8                        | TM2-99  | C |
| Malibu Civic Center Area Well SMBRP-9                        | TM2-100 |   |
| Malibu Civic Center Area Well SMBRP-10c                      | TM2-101 | T |
| Malibu Civic Center Area Well SMBRP-11                       | TM2-102 |   |
| Malibu Civic Center Area Well SMBRP-12                       | TM2-103 | O |
| Malibu Civic Center Area Well SMBRP-13                       | TM2-104 | C |
| Malibu Civic Center Area Well SMBRP-14                       | TM2-105 |   |
| Malibu Civic Center Area Well SMBRP-15b                      | TM2-106 | T |
| Malibu Civic Center Area Well SMBRP-16                       | TM2-107 |   |
| Malibu Beach Inn Well MW-1                                   | TM2-108 | O |
| Malibu Beach Inn Well MW-2                                   | TM2-109 |   |
| Malibu Beach Inn Well MW-3                                   | TM2-110 | 9 |

|  |         |   |
|--|---------|---|
| Surfrider Beach Well SB-1                        | TM2-111 | D |
| Surfrider Beach Well SB-2                        | TM2-112 | R |
| Malibu Water Pollution Control Plant Well WPCP-1 | TM2-113 | A |
| Malibu Water Pollution Control Plant Well WPCP-2 | TM2-114 | F |
| Malibu Water Pollution Control Plant Well WPCP-3 | TM2-115 | T |
| Malibu Water Pollution Control Plant Well WPCP-4 | TM2-116 | O |
| Malibu Water Pollution Control Plant Well WPCP-5 | TM2-117 | C |
| Malibu Water Pollution Control Plant Well WPCP-6 | TM2-118 | T |
| Malibu Water Pollution Control Plant Well WPCP-7 | TM2-119 | 2 |

For comparison purposes, the incorrect tables also are included and marked with a red X. These corrections do not affect the results, as summarized in Attachment 2-2, and conclusions of Tech Memo #2. Please contact David Koo at (213) 620-6155 ([dkoo@waterboards.ca.gov](mailto:dkoo@waterboards.ca.gov)) with any questions or comments you may have.

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**Technical Memorandum #2: Pathogens and Nitrogen in Wastewaters Impair Underlying  
Groundwater as a Potential Source of Drinking Water**

by  
David Koo

## **INTRODUCTION**

The City of Malibu (Malibu) is located in Los Angeles County on the north shore of the Santa Monica Bay, northwest of the City of Los Angeles, California. The boundaries of the Malibu Civic Center area are shown in Figure 1<sup>1</sup>. There are 392 residential properties and 38 commercial properties located in the study area. Surface water includes the lower portion of Malibu Creek, Malibu Lagoon, and Malibu Beach to Malibu Pier State Park.

Wastewater disposal in the City of Malibu falls within the jurisdiction of the Los Angeles Regional Water Quality Control Board (LARWQCB). The regional application of the Porter-Cologne Act is through the *Water Quality Control Plan – Los Angeles Region (Basin Plan)* for the Coastal Watersheds of Los Angeles and Ventura Counties.

According to the *Basin Plan*, the Malibu Civic Center area lies within the Malibu Valley Groundwater Basin. The *Basin Plan* designates this area as having a Potential Beneficial Use for Municipal and Domestic Supply (MUN) and Industrial Service Supply (IND).

## **PURPOSE**

The purpose of this study is to determine the extent and severity of contamination of groundwater that is designated as a potential source of drinking water.

## **BACKGROUND**

In addition to 27 miles of coastline which forms the northwest boundary of Santa Monica Bay and includes internationally famous Surfrider Beach, Malibu is home to two regionally significant aquatic resources, Malibu Creek, which drains the southern slope of the mountains, draining 109 square miles of watershed, and Malibu Lagoon, one of two significant remaining freshwater estuaries in southern California. Both the creek and lagoon have been identified as impaired for bacteria and nutrients under section 303(d) of the Clean Water Act.

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<sup>1</sup> The area subject to the proposed prohibition is referred to as the Malibu Civic Center area (Figure 1). The area was defined using topographic features and drainage patterns, and encompasses the hydrologic areas of Malibu Valley (also referred to as the lower Malibu Creek watershed), Winter Canyon, and adjacent coastal strips including Amarillo Beach, Malibu Beach, Malibu Lagoon, and Malibu Lagoon Beach (aka Surfrider Beach, including First, Second, and Third Points at Surfrider). For more discussion on the prohibition boundaries defining the Malibu Civic Center area, refer to the Technical Staff Report Overview and the Environmental Staff Report.

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Figure 1 – Groundwater wells in the Malibu Civic Center Area



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Malibu Civic Center area consists of a low-lying plain along Santa Monica Bay, plus adjacent steep uplands that rise from sea level to 100 feet, with additional upland areas that rise 500 feet into the foothills to the Santa Monica Mountains. The area contains some undeveloped parcels but sustains the largest commercial development in Malibu along with multi-family and single-family residences that include Malibu Colony, a dense subdivision where houses are built close together directly on the beach. The Los Angeles County courthouse and library, the county fire department and county sheriff's offices are also located in this area, which effectively functions as Malibu's town center. Contemporary development is built on what was naturally an estuary-lagoon and wetlands established within an alluvial plain at the mouth of Malibu Creek. Generally the water table is 3 to 36 feet below ground surface and depths fluctuate with tidal and seasonal hydrologic variations.

There are 429 on-site wastewater disposal systems (OWDSs) that serve Malibu Civic Center area. The LARWQCB, which is responsible for regulating waste discharge in the Los Angeles and Ventura County, has evidence that OWDSs in proximity to Malibu's water resources may be among the factors contributing to poor water quality. There are a total of 38 commercial and 392 residential OWDSs in the Malibu Civic Center area. Some of the systems are old; other systems are operated at a much greater wastewater flow capacity than what they were originally designed for.

## METHODS AND PROCEDURES

The main steps of this study include the following:

- Collect and review existing information from a variety of sources on groundwater quality in proximity to the OWDSs from April 19, 1999 to June 12, 2009.
- Analyze the data, for pollutants that are indicators of wastewater – specifically for fecal coliform, total coliform, ammonia, and nitrogen (nitrate + nitrite).
- Determine the frequency that the groundwater failed to meet drinking water standards – i.e., Maximum Contaminant Levels (MCLs)<sup>2</sup> for fecal coliform, total coliform, ammonia, and nitrate + nitrite.

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<sup>2</sup> The United States Environmental Protection Agency (USEPA) provides Drinking Water Health Advisories for organics, inorganics, radionuclides, and microbiology including total coliform. The MCL goal and MCL for total coliform is zero and 5%, respectively. In a well used for drinking water, no more than 5% samples analyzed each month can test positive for total coliform. Every sample that has total coliform must be analyzed for fecal coliform; no fecal coliform is allowed.

According to Title 22 of the California Code of Regulations, Section 64426.1 Total Coliform MCL “.....(b) A public water system is in violation of the total coliform MCL when any of the following occurs: ... (2) For a public water system which collects fewer than 40 samples per month, more than one sample collected during any month is total coliform-positive; or (3) Any repeat sample is fecal coliform-positive .....”, the MCL for total coliform and fecal coliform is zero.

The Water Quality Control Plan – Los Angeles Region or Basin Plan provides that “In ground waters used for domestic or municipal supply (MUN), the concentration of coliform organisms over any seven day period shall be less than 1.1 MPN/100 ml.

Although the MCL for total coliform and fecal coliform is zero, the detection limit used by a majority of laboratories for total coliform and fecal coliform is 1.1 MPN/100 ml. Therefore, unless the sample has a zero concentration for total coliform and fecal coliform, any detection above 1.1 MPN/100 ml means that the sample is above the MCL.

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Staff used two sources of groundwater quality data for this study. They are: (1) the compliance files under Waste Discharge Requirements (WDRs) issued by the LARWQCB; and (2) “Final Report – Risk Assessment of Decentralized Wastewater Treatment Systems in High Priority Areas in the City of Malibu, California” prepared by Stone Environmental, Inc. in August 2004 (2004 Stone Report).

In all, data from a total of 59 groundwater wells shown in Figure 2 are used for this study. Among the 59 wells, 39 of them are identified in the WDR compliance files and the other 20 are identified in the 2004 Stone Report. The two sources of data provided a total of 1,016 groundwater sampling results with 7,112 individual analyses.

Groundwater quality data for each well was then entered into spreadsheets. Results were compared to drinking water standards. Using these spreadsheets, two graphs – one for fecal and total coliform and the other for nitrogen species – were generated for each well to illustrate the exceedance from the MCL.

## RESULTS

Staff reviewed data for 59 wells in the Malibu Civic Center area that were designed and constructed for monitoring the quality of groundwater. To examine impairment of groundwater as a source of drinking water, staff compiled analytical results of testing for pathogen indicators and nitrogen species, and summarized these results in Table 1. In addition, tables and graphs summarizing the analytical results of each well are provided in Attachments 2-1 and 2-2, respectively.

### *Fecal Coliform*

For the 59 groundwater monitoring wells in the Malibu Civic Center area, from April 19, 1999 to June 12, 2009, a total of 1,016 samples were collected and analyzed for fecal coliform. Results indicated that out of the 1,016 samples, 383, or 38%, of the samples failed to meet the MCL. Fifty (50) out of 59, or 85%, of the wells detected fecal coliform that failed to meet the MCL of 0 MPN/100 ml (Most Probable Number per 100 milliliters).

### *Total Coliform*

For the 59 groundwater monitoring wells in the Malibu Civic Center area, from April 19, 1999 to June 12, 2009, a total of 1,016 samples were collected and analyzed for total coliform. Results indicated that out of the 1,016 samples, 576, or 57%, of the samples failed to meet the MCL. All 59, or 100%, of the wells detected total coliform that failed to meet the MCL of 1.1 MPN/100 ml.

### *Nitrate and Nitrite*

For the 59 groundwater monitoring wells in Malibu Civic Center area, from April 19, 1999 to June 12, 2009, a total of 1,012 samples were collected and analyzed for nitrate-nitrogen and nitrite-nitrogen. Results indicated that out of the 1,012 samples, 322, or 32%, of the samples failed to meet the MCL of 10 mg/L. Twenty-six (26) out of 59, or 44%, of the wells detected nitrogen (nitrate and nitrite) that failed to meet the MCL.

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### *Ammonia plus Nitrate and Nitrite*

For the 59 groundwater monitoring wells in the Malibu Civic Center area, from April 19, 1999 to June 12, 2009, a total of 1,012 samples were collected and analyzed for ammonia. Results indicated that out of the 1,012 samples, 400, or 40%, of the samples failed to meet the MCL of 10 mg/L. Thirty-six (36) out of 59, or 61%, of the wells detected total nitrogen (ammonia, nitrate and nitrite) that failed to meet the MCL.

In at least one point in time, all 59 wells demonstrated the presence of pathogens and nitrogen at levels that exceeded the MCL for drinking water as summarized in Table 2. Although not all wells were contaminated for each sampling event, of the 59 wells, 50 or 85% of them had fecal coliform that failed to meet the MCL and all 59 or 100% had total coliform that failed to meet the MCL. Twenty-six (26) or 44% of the wells had nitrate and nitrite that failed to meet the MCL. Staff also did an analysis including ammonia plus nitrite and nitrate; when using all three nitrogen species, 36 or 61% of the wells had nitrogen present that failed to meet the MCL.

**Table 1: Summary of Groundwater Pollution**

|                               | Fecal Coliform | Total Coliform | Nitrate+Nitrite | Ammonia + Nitrate+Nitrite |
|-------------------------------|----------------|----------------|-----------------|---------------------------|
|                               | MPN/100mL      | MPN/100mL      | mg/L            | mg/L                      |
| MCL                           | 0              | 0              | 10              | 10                        |
| Concentration Range           | 0 - 140,000    | 0 - 16,000,000 | 0 - 120         | 0 - 120                   |
| Total Samples Analyzed        | 1,016          | 1,016          | 1,012           | 1,012                     |
| # Samples Failing to Meet MCL | 383            | 576            | 322             | 400                       |
| % Samples Failing to Meet MCL | 38%            | 57%            | 32%             | 40%                       |

## **CONCLUSION**

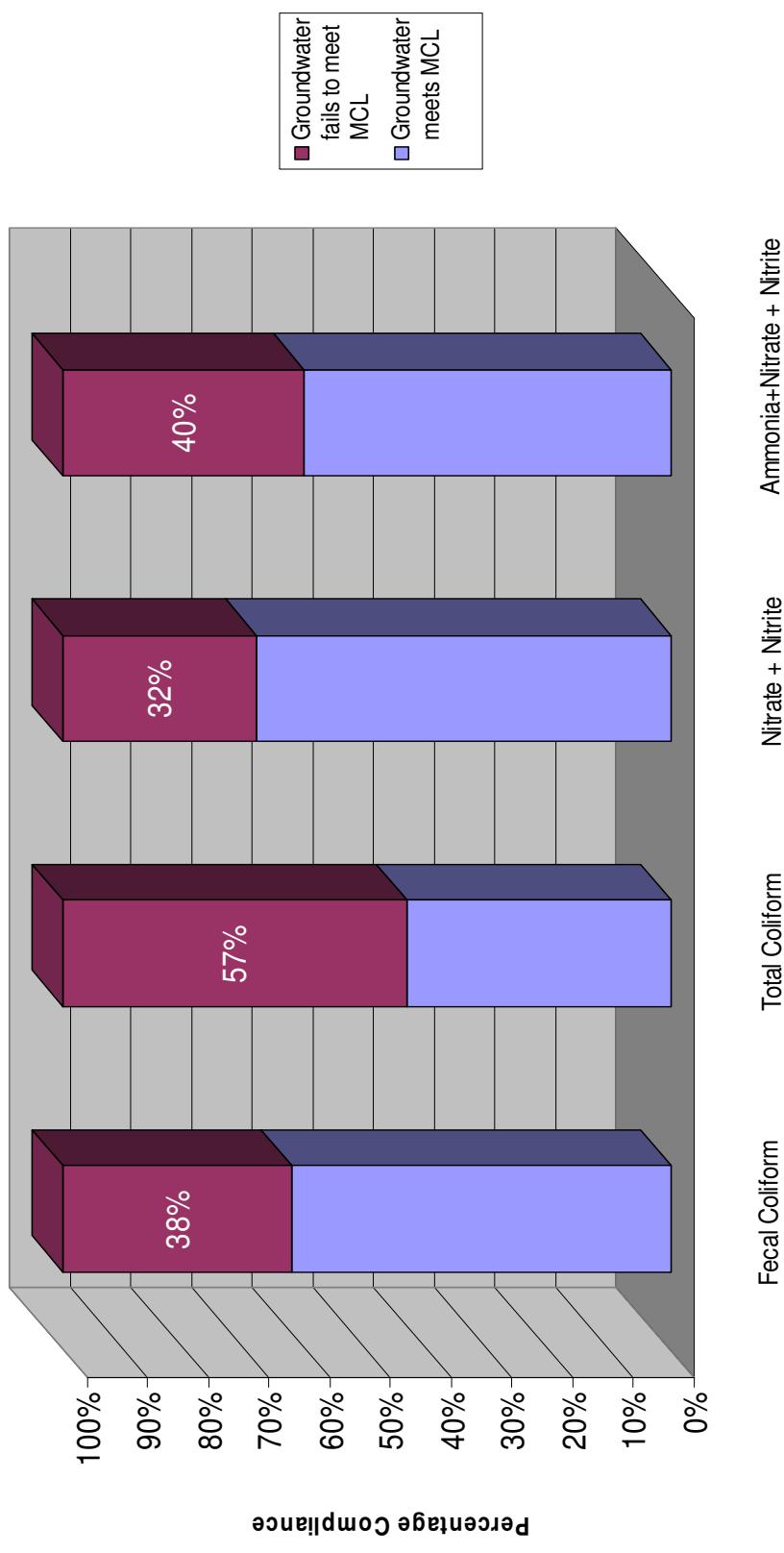
**Pathogens and nitrogen in wastewaters released from OWDSs impair underlying groundwater as a potential source of drinking water.**

Indicators of pathogen and nitrogen contaminants released by OWDSs substantially impair the potential use of groundwater as a source of drinking water.

Although groundwater in the Malibu Valley Groundwater Basin and Winter Canyon is not an existing source of drinking water to the community, groundwater was the community's drinking water source up until the early 1960s. In 1963, the County of Los Angeles started delivering imported water to the area. As a future resource, and also in the event of a disruption of deliveries of imported water, groundwater in Malibu Civic Center area is an important local source that the community may need to use. However, continued degradation jeopardizes use of this local resource for beneficial use of potential MUN (drinking water use).

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**Figure 2 - Groundwater Quality Compliance Status**



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**Table 2: Summary of Groundwater Wells in Malibu Civic Center Area**

| Location                             | Well Numbers   | Well Names   | Fecal Coliform Fail to Meet MCL   | Total Coliform Fail to Meet MCL  | Nitrate+Nitrite Fail to Meet MCL  | Ammonia+Nitrate +Nitrite Fail to Meet MCL   |
|--------------------------------------|--|--|---|--|---|---|
| Malibu Administrative Center         | 1<br>2   | Well #7b<br>Well # 8   | Yes<br>Yes  | Yes<br>Yes   | Yes<br>Yes  | Yes<br>Yes  |
| Malibu Country Mart I                | 3<br>4<br>5  | Well MW-1<br>Well MW-2<br>Well MW-3  | Yes<br>Yes<br>Yes   | Yes<br>Yes<br>Yes  | Yes<br>No<br>Yes  | Yes<br>No<br>Yes  |
| Malibu Country Mart II               | 6<br>7<br>8  | Well MW-1<br>Well MW-2<br>Well MW-3  | No<br>Yes<br>Yes  | Yes<br>Yes<br>Yes  | No<br>No<br>No  | Yes<br>Yes<br>Yes   |
| Malibu Country Mart III              | 9<br>10<br>11  | Well MW-1<br>Well MW-2<br>Well MW-3  | Yes<br>Yes<br>Yes   | Yes<br>Yes<br>Yes  | No<br>No<br>No  | No<br>Yes<br>No   |
| Malibu Creek Plaza                   | 12<br>13<br>14<br>15<br>16<br>17   | Well #1<br>Well #2<br>Well #3<br>Well #4<br>Well #5<br>Well #6   | Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes  | Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes   | No<br>Yes<br>No<br>Yes<br>No<br>Yes   | No<br>Yes<br>No<br>Yes<br>Yes<br>Yes  |
| Malibu Lumber                        | 18<br>19<br>20<br>21<br>22   | ML MW-1<br>ML MW-2<br>ML MW-3<br>ML MW-4<br>ML MW-5  | Yes<br>Yes<br>Yes<br>Yes<br>Yes   | Yes<br>Yes<br>Yes<br>Yes<br>Yes  | No<br>No<br>No<br>No<br>No  | No<br>No<br>Yes<br>No<br>No   |
| Malibu Colony Plaza                  | 23<br>24<br>25<br>26<br>27   | Well #1<br>Well #2<br>Well #3<br>Well #4<br>Well #5  | Yes<br>Yes<br>Yes<br>Yes<br>Yes   | Yes<br>Yes<br>Yes<br>Yes<br>Yes  | No<br>Yes<br>Yes<br>Yes<br>Yes  | Yes<br>Yes<br>Yes<br>Yes<br>Yes   |
| Malibu Study Area                    | 28<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36<br>37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47 | C-1<br>C-2<br>Well MW-5<br>Well P-1<br>Well P-7<br>Well P-9<br>Well SMBRP-1<br>Well SMBRP-2<br>Well SMBRP-3c<br>Well SMBRP-6<br>Well SMBRP-7b<br>Well SMBRP-8<br>Well SMBRP-9<br>Well SMBRP-10c<br>Well SMBRP-11<br>Well SMBRP-12<br>Well SMBRP-13<br>Well SMBRP-14<br>Well SMBRP-15b<br>Well SMBRP-16 | Yes<br>Yes<br>Yes<br>No<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes | Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes | No<br>No<br>Yes<br>No<br>No<br>No<br>No<br>No<br>No<br>No<br>No<br>Yes<br>Yes<br>No<br>No<br>No<br>No<br>No<br>No | No<br>No<br>Yes<br>No<br>No<br>No<br>No<br>No<br>No<br>No<br>No<br>Yes<br>Yes<br>No<br>No<br>No<br>Yes<br>Yes<br>Yes<br>Yes |
| Malibu Beach Inn                     | 48<br>49<br>50   | MW1<br>MW2<br>MW3  | Yes<br>Yes<br>Yes   | Yes<br>Yes<br>Yes  | Yes<br>Yes<br>Yes   | Yes<br>Yes<br>Yes   |
| Surfrider Beach                      | 51<br>52   | Well SB-1<br>Well SB-2   | No<br>Yes   | Yes<br>Yes   | Yes<br>Yes  | Yes<br>Yes  |
| Malibu Water Pollution Control Plant | 53<br>54<br>55<br>56<br>57<br>58<br>59   | MW-1<br>MW-2<br>MW-3<br>MW-4<br>MW-5<br>MW-6<br>MW-7   | No<br>No<br>No<br>Yes<br>No<br>No<br>Yes  | Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes  | Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>No<br>Yes  | Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes<br>Yes   |
| Total Number of Wells                |  |  |   | 59   | 59  | 59  |
| Number of Wells Fail to Meet MCL     |  |  |   | 50   | 59  | 26  |
| Percentage of Wells Fail to Meet MCL |  |  |   | 85%  | 100%  | 44%   |
|                                      |  |  |   |  |   | 61%   |

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**Technical Memorandum #2: Pathogens and Nitrogen in  
Wastewaters Impair Underlying Groundwater as a Potential  
Source of Drinking Water**

**Attachment 2-1**

**Data Tables for 59 Individual Wells**

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D R A F T C O 2 1 0 0 9

**Malibu Administrative Center**  
**Well #7b**

| Parameter   | Enterococcus<br>Unit<br>(MPN/100ml) | Fecal<br>Coliform<br>(MPN/100ml) | Total<br>Coliform<br>(MPN/100ml) | Ammonia<br>(mg/l) | Nitrate<br>(mg/l) | Nitrite<br>(mg/l) | Organic<br>Nitrogen<br>(mg/l) | TKN<br>(mg/l) | Nitrate +<br>Nitrite<br>(mg/l) | Ammonia +<br>Nitrate +<br>Nitrite<br>(mg/l) |
|-------------|-------------------------------------|----------------------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------------------|---------------|--------------------------------|---|
| MCL         | 0                                   | 0                                | 0                                | 0.474             | 0.18              | 0                 | 0.278                         | 0.752         | 0.18                           | 0.654                                       |
| Sample Date |                                     |                                  |                                  |                   |                   |                   |                               |               |                                |   |
| 2/24/2003   | 2419.2                              | 0                                | 0                                | 0.608             | 0.063             | 0                 | 1.29                          | 1.898         | 0.063                          | 0.671                                       |
| 3/25/2003   | 2419.21                             | 0                                | 0                                | 0.43              | 0.368             | 0                 | 0.29                          | 0.72          | 0.368                          | 0.798                                       |
| 6/12/2003   | 0                                   | 0                                | 0                                | 0.179             | 0.045             | 0                 | 0.313                         | 0.492         | 0.045                          | 0.224                                       |
| 7/30/2003   | 0                                   | 0                                | 0                                | 0.243             | 0                 | 0                 | 0                             | 0.243         | 0                              | 0.243                                       |
| 8/15/2003   | 0                                   | 0                                | 230                              | 0.598             | 0.14              | 0.155             | 0.478                         | 1.076         | 0.295                          | 0.893                                       |
| 10/28/2003  | 0                                   | 0                                | 300                              | 0                 | 66.161            | 0.292             | 0.197                         | 0.197         | 66.453                         | 66.453                                      |
| 11/19/2003  | 0                                   | 0                                | 80                               | 0                 | 0                 | 0                 | 0                             | 0             | 0                              | 0   |
| 12/19/2003  | 0                                   | 40                               | 230                              | 0.419             | 0                 | 0.791             | 10.9                          | 11.319        | 0.791                          | 1.21  |
| 1/16/2004   | 0                                   | 140                              | 140                              | 0.292             | 0.79              | 2.06              | 0                             | 0.292         | 2.85                           | 3.142                                       |
| 2/20/2004   | 0                                   | 0                                | 0                                | 0                 | 0.19              | 2.95              | 0.18                          | 0.18          | 3.14                           | 3.14  |
| 3/24/2004   | 0                                   | 0                                | 20                               | 0.622             | 0                 | 0                 | 1.704                         | 2.326         | 0                              | 0.622                                       |
| 4/27/2004   | 0                                   | 0                                | 3000                             | 0.126             | 0.24              | 2.36              | 0.676                         | 0.802         | 2.6                            | 2.726                                       |
| 5/21/2004   | 0                                   | 0                                | 2100                             | 0.184             | 0                 | 0                 | 0                             | 0.184         | 0                              | 0.184                                       |
| 9/1/2004    | 0                                   | 0                                | 0                                | 0.139             | 0.126             | 0                 | 0.483                         | 0.622         | 0.126                          | 0.265                                       |
| 12/6/2004   | 300                                 | 0                                | 900                              | 0                 | 1.1               | 0                 | 1.06                          | 1.06          | 1.1                            | 1.1   |
| 3/9/2005    | 40                                  | 0                                | 340                              | 0                 | 0.359             | 0                 | 0.407                         | 0.407         | 0.359                          | 0.359                                       |
| 6/10/2005   | 0                                   | 0                                | 130                              | 0                 | 0.133             | 0                 | 1.16                          | 1.16          | 0.133                          | 0.133                                       |
| 9/9/2005    | 3500                                | 0                                | 20                               | 0.261             | 0.11              | 0                 | 0.879                         | 1.14          | 0.11                           | 0.371                                       |
| 11/18/2005  | 10111                               | 0                                | 1700                             | 0.286             | 0.176             | 0                 | 0.274                         | 0.56          | 0.176                          | 0.462                                       |
| 3/3/2006    | 3990                                | 20                               | 24000                            | 0.15              | 0.294             | 0                 | 0.41                          | 0.56          | 0.294                          | 0.444                                       |
| 6/2/2006    | 763                                 | 0                                | 20                               | 0.24              | 0.183             | 0                 | 0.94                          | 1.18          | 0.183                          | 0.423                                       |
| 9/8/2006    | 0                                   | 0                                | 0                                | 0.241             | 0                 | 0                 | 0.359                         | 0.6           | 0                              | 0.241                                       |
| 12/1/2006   | 0                                   | 0                                | 0                                | 0.4               | 0                 | 0                 | 0.24                          | 0.64          | 0                              | 0.4   |
| 3/9/2007    | 0                                   | 0                                | 20                               | 0                 | 0.124             | 0                 | 0.59                          | 0.59          | 0.124                          | 0.124                                       |
| 6/13/2008   | 0                                   | 0                                | 0                                | 0                 | 0.37              | 0                 | 1.22                          | 1.22          | 0.37                           | 0.37  |
| 9/12/2008   | 0                                   | 0                                | 0.11                             | 0.15              | 0                 | 0.49              | 0.6                           | 0.15          | 0.26                           | 0.26  |

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**Malibu Administrative Center  
Well # 8**

| Parameter   | Enterococcus | Fecal Coliform | Total Coliform | Ammonia (mg/l) | Nitrate (mg/l) | Organic Nitrogen (mg/l) | TKN (mg/l) | Nitrate + Nitrite (mg/l) | Ammonia + Nitrate + Nitrite (mg/l) |
|-------------|--------------|----------------|----------------|----------------|----------------|-------------------------|------------|--------------------------|------------------------------------|
| Unit        | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    |                |                |                         |            |                          |                                    |
| MCL         | 0            | 0              |                |                |                |                         |            |                          |                                    |
| Sample Date |              |                |                |                |                |                         |            |                          |                                    |
| 2/24/2003   | 14.1         | 0              | 0              | 92.3           | 1.95           | 0                       | 0          | 94.25                    | 94.25                              |
| 3/25/2003   | 2419.21      | 0              | 985            | 65.9           | 0              | 0                       | 0          | 65.9                     | 65.9                               |
| 6/12/2003   | 31           | 0              | 0              | 72.5           | 0              | 0                       | 0          | 72.5                     | 72.5                               |
| 7/30/2003   | 30000        | 0              | 0              | 61.4           | 0              | 0                       | 0          | 61.4                     | 61.4                               |
| 8/15/2003   | 0            | 0              | 130            | 65             | 0.873          | 0                       | 0          | 65.873                   | 65.873                             |
| 10/28/2003  | 20           | 2300           | 2300           | 0              | 0.302          | 0.36                    | 0.758      | 0.662                    | 0.662                              |
| 11/19/2003  | 0            | 0              | 0              | 0.427          | 0              | 0                       | 0.287      | 0.714                    | 0                                  |
| 12/19/2003  | 0            | 80             | 800            | 54             | 0.633          | 13.8                    | 13.8       | 54.633                   | 54.633                             |
| 1/16/2004   | 0            | 0              | 0              | 51             | 0.834          | 0.186                   | 0.186      | 51.834                   | 51.834                             |
| 2/20/2004   | 0            | 0              | 0              | 51.7           | 1.26           | 0.13                    | 0.13       | 52.96                    | 52.96                              |
| 3/24/2004   | 0            | 0              | 0.154          | 57.4           | 0.414          | 1.098                   | 1.252      | 57.814                   | 57.968                             |
| 4/27/2004   | 0            | 0              | 2800           | 60.5           | 0.119          | 0                       | 0          | 60.619                   | 60.619                             |
| 5/21/2004   | 20           | 0              | 70             | 0.121          | 60.7           | 0                       | 0          | 0.121                    | 60.7                               |
| 9/1/2004    | 20           | 0              | 0.072          | 62.77          | 0              | 0.258                   | 0.33       | 62.77                    | 62.842                             |
| 12/6/2004   | 300          | 0              | 0              | 68.3           | 0              | 0                       | 0          | 68.3                     | 68.3                               |
| 3/9/2005    | 220          | 0              | 17000          | 0              | 5.85           | 0                       | 0.343      | 5.85                     | 5.85                               |
| 6/10/2005   | 16000000     | 140000         | 3000000        | 18.2           | 0.142          | 0                       | 7.4        | 25.6                     | 0.142                              |
| 9/9/2005    | 281          | 0              | 160000         | 0.303          | 19.7           | 0                       | 2.97       | 3.273                    | 19.7                               |
| 11/18/2005  | 1553         | 0              | 30000          | 0              | 26.4           | 1.79                    | 0.551      | 28.19                    | 28.19                              |
| 3/3/2006    | 155          | 0              | 1700           | 0              | 27.8           | 0.313                   | 0.12       | 0.12                     | 28.113                             |
| 6/2/2006    | 0            | 0              | 500000         | 0              | 37             | 0                       | 0.74       | 0.74                     | 37                                 |
| 9/8/2006    | 1600000      | 5000           | 16000000       | 0.881          | 44.9           | 0                       | 3.34       | 4.221                    | 44.9                               |
| 12/1/2006   | 300          | 1400           | 1300000        | 0.29           | 31.2           | 0.204                   | 0.27       | 0.56                     | 31.404                             |
| 3/9/2007    | 40           | 0              | 3000           | 0              | 40.2           | 0                       | 7.17       | 7.17                     | 40.2                               |
| 6/13/2008   | 1300         | 0              | 160000         | 0              | 31.6           | 0                       | 0.19       | 0.19                     | 31.6                               |
| 9/12/2008   | 40           | 0              | 30000          | 0.2            | 30.9           | 0                       | 10.44      | 10.64                    | 30.9                               |
|             |              |                |                |                |                |                         |            |                          | 31.1                               |

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**Malibu Country Mart I**  
**Well MW-1**

| Parameter   | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | Nitrite | Organic Nitrogen | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|-------------|--------------|----------------|----------------|---------|---------|---------|------------------|--------|-------------------|-----------------------------|
| Unit        | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l)  | (mg/l)           | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL         | 0            | 0              |                |         |         |         |                  |        | 10                | 10                          |
| Sample Date |              |                |                |         |         |         |                  |        |                   |                             |
| 12/14/2004  | 0            | 0              | 1601           | 1.05    | 0.1     | 0       | 0.37             | 1.42   | 0.1               | 1.15                        |
| 3/15/2005   | 0            | 0              | 0              | 0.39    | 1.6     | 0       | 0.85             | 1.24   | 1.6               | 1.99                        |
| 6/15/2005   | 3880         | 0              | 0              | 0       | 0       | 0.3     | 0                | 0.37   | 0.3               | 0.3                         |
| 9/15/2005   | 0            | 0              | 0              | 0       | 5.6     | 0       | 0.32             | 0.32   | 5.6               | 5.6                         |
| 12/14/2005  | 0            | 0              | 0              | 0.1     | 11.6    | 0       | 0.25             | 0.35   | 11.6              | 11.7                        |
| 3/20/2006   | 0            | 0              | 23             | 0.22    | 4.35    | 0       | 0.231            | 0.451  | 4.35              | 4.57                        |
| 6/21/2006   | 10           | 23             | 2220           | 0.334   | 16      | 0       | 0.346            | 0.68   | 16                | 16.334                      |
| 9/13/2006   | 0            | 0              | 0              | 0.221   | 9.1     | 0       | 0.503            | 0.724  | 9.1               | 9.321                       |
| 12/27/2006  | 0            | 0              | 0              | 0.162   | 5.25    | 0       | 0.33             | 0.492  | 5.25              | 5.412                       |
| 3/20/2007   | 0            | 0              | 0              | 7.48    | 0.1     | 0       | 8.36             | 15.84  | 0.1               | 7.58                        |
| 6/13/2007   | 0            | 0              | 0              | 0.115   | 1.95    | 0       | 0.28             | 0.395  | 1.95              | 2.065                       |
| 9/14/2007   | 0            | 0              | 0              | 0       | 5.5     | 0       | 0                | 0      | 5.5               | 5.5                         |
| 12/21/2007  | 0            | 0              | 0              | 0       | 2.3     | 0       | 0.474            | 0.474  | 2.3               | 2.3                         |
| 4/4/2008    | 0            | 0              | 0              | 0       | 3.45    | 0       | 0.335            | 0.335  | 3.45              | 3.45                        |
| 7/2/2008    | 0            | 0              | 0              | 0.094   | 2.45    | 0       | 0.122            | 0.216  | 2.45              | 2.544                       |

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**Malibu Country Mart I  
Well MW-2**

| Parameter   | Enterococcus<br>Unit | Fecal<br>Coliform<br>(MPN/100ml) | Total Coliform<br>(MPN/100ml) | Ammonia<br>(mg/l) | Nitrate<br>(mg/l) | Organic<br>Nitrogen<br>(mg/l) | TKN<br>(mg/l) | Nitrate +<br>Nitrite<br>(mg/l) | Ammonia +<br>Nitrate + Nitrite<br>(mg/l) |
|-------------|----------------------|----------------------------------|-------------------------------|-------------------|-------------------|-------------------------------|---------------|--------------------------------|--|
| MCL         |                      | 0                                | 0                             |                   |                   |                               |               | 10                             | 10                                       |
| Sample Date |                      |                                  |                               |                   |                   |                               |               |                                |  |
| 12/14/2004  | 17                   | 2                                | 220                           | 5.8               | 0                 | 0                             | 2.84          | 8.64                           | 0  |
| 3/15/2005   | 0                    | 0                                | 2                             | 5.2               | 0                 | 0                             | 6.22          | 11.42                          | 0  |
| 6/15/2005   | 120                  | 0                                | 0                             | 4.65              | 0                 | 0                             | 4.75          | 9.4                            | 0  |
| 9/15/2005   | 0                    | 0                                | 4                             | 7                 | 0                 | 0                             | 8.5           | 15.5                           | 0  |
| 12/14/2005  | 0                    | 0                                | 0                             | 3.99              | 0                 | 0                             | 5.1           | 9.09                           | 0  |
| 3/20/2006   | 0                    | 0                                | 22                            | 3.64              | 0                 | 0                             | 3.64          | 7.28                           | 0  |
| 6/21/2006   | 52                   | 0                                | 2600                          | 0.56              | 1.6               | 0                             | 0.589         | 1.149                          | 1.6                                      |
| 9/13/2006   | 0                    | 0                                | 0                             | 4.95              | 0                 | 0                             | 4.99          | 9.94                           | 0  |
| 12/27/2006  | 0                    | 0                                | 0                             | 4.23              | 0                 | 0                             | 4.33          | 8.56                           | 0  |
| 3/20/2007   | 0                    | 0                                | 0                             | 3.81              | 0                 | 0                             | 4.3           | 8.11                           | 0  |
| 6/13/2007   | 0                    | 0                                | 4                             | 6.34              | 0                 | 0                             | 6.9           | 13.24                          | 0  |
| 9/14/2007   | 0                    | 0                                | 0                             | 8.5               | 0                 | 0                             | 8.5           | 17                             | 0  |
| 12/21/2007  | 0                    | 0                                | 0                             | 7.7               | 0                 | 0                             | 7.99          | 15.69                          | 0  |
| 4/4/2008    | 0                    | 0                                | 0                             | 7.63              | 0                 | 0                             | 8.94          | 16.57                          | 0  |
| 7/2/2008    | 0                    | 0                                | 6.5                           | 0                 | 0                 | 0                             | 6.95          | 13.45                          | 0  |

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**Malibu Country Mart I  
Well MW-3**

| Parameter   | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | Organic Nitrogen | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|-------------|--------------|----------------|----------------|---------|---------|------------------|--------|-------------------|-----------------------------|
| Unit        | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l)           | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL         | 0            | 0              |                |         |         |                  |        | 10                | 10                          |
| Sample Date |              |                |                |         |         |                  |        |                   |                             |
| 12/14/2004  | 0            | 0              | 0              | 0.18    | 1.75    | 0                | 0      | 0.18              | 1.75                        |
| 3/15/2005   | 0            | 4              | 0.1            | 3.5     | 0       | 0.272            | 0.372  | 3.5               | 3.6                         |
| 6/15/2005   | 546          | 0              | 8              | 0       | 4.9     | 0                | 0.153  | 4.9               | 4.9                         |
| 9/15/2005   | 0            | 0              | 13             | 0       | 0.6     | 0                | 0.242  | 0.6               | 0.6                         |
| 12/14/2005  | 0            | 4              | 0.12           | 3.05    | 0       | 0.257            | 0.377  | 3.05              | 3.17                        |
| 3/20/2006   | 0            | 0              | 0              | 0.175   | 2.35    | 0                | 0.19   | 0.365             | 2.35                        |
| 6/21/2006   | 41           | 23             | 14000          | 0.7     | 12      | 0                | 0.797  | 1.497             | 12                          |
| 9/13/2006   | 0            | 0              | 0              | 1.05    | 0       | 0                | 0      | 1.05              | 1.05                        |
| 12/27/2006  | 0            | 0              | 0              | 0.102   | 2.05    | 0                | 0.166  | 0.268             | 2.05                        |
| 3/20/2007   | 0            | 0              | 0              | 0       | 1.7     | 0                | 0.42   | 0.42              | 1.7                         |
| 6/13/2007   | 0            | 0              | 0              | 0.149   | 1.7     | 0                | 0.354  | 0.503             | 1.7                         |
| 9/14/2007   | 0            | 0              | 0              | 0.08    | 2       | 0                | 0.1    | 0.18              | 2                           |
| 12/21/2007  | 0            | 0              | 0              | 0       | 1.65    | 0                | 0.178  | 0.178             | 1.65                        |
| 4/4/2008    | 0            | 0              | 0              | 0       | 1.65    | 0                | 0.165  | 0.165             | 1.65                        |
| 7/2/2008    | 0            | 0              | 0.088          | 2.1     | 0       | 0.309            | 0.397  | 2.1               | 2.188                       |

D R A F T C O 2 1 0 0 9

**Malibu Country Mart II**  
**Well MW-1**

| Parameter   | Enterococcus<br>Unit<br>MPN/100ml | Fecal Coliform<br>(MPN/100ml) | Total Coliform<br>(MPN/100ml) | Ammonia<br>(mg/l) | Nitrate<br>(mg/l) | Organic<br>Nitrogen<br>(mg/l) | TKN<br>(mg/l) | Nitrate +<br>Nitrite<br>(mg/l) | Ammonia +<br>Nitrate + Nitrite<br>(mg/l) |
|-------------|-----------------------------------|-------------------------------|-------------------------------|-------------------|-------------------|-------------------------------|---------------|--------------------------------|--|
| MCL         | 0                                 | 0                             |                               |                   |                   |                               |               | 10                             | 10                                       |
| Sample Date |                                   |                               |                               |                   |                   |                               |               |                                |  |
| 12/14/2004  | 11                                | 0                             | 0                             | 0.17              | 1.75              | 0                             | 0.15          | 0.32                           | 1.75                                     |
| 3/15/2005   | 0                                 | 0                             | 4                             | 0.23              | 7.4               | 0                             | 0.317         | 0.547                          | 7.4                                      |
| 6/15/2005   | 2                                 | 0                             | 0                             | 0                 | 7.65              | 0                             | 0.3           | 7.65                           | 7.65                                     |
| 12/14/2005  | 0                                 | 0                             | 0                             | 0.06              | 3.9               | 0                             | 0.151         | 0.211                          | 3.9                                      |
| 3/20/2006   | 0                                 | 0                             | 2                             | 0.36              | 2.75              | 0.05                          | 0.36          | 0.72                           | 2.8                                      |
| 6/21/2006   | 52                                | 0                             | 70                            | 0.54              | 2.9               | 0                             | 0.55          | 1.09                           | 2.9                                      |
| 9/13/2006   | 0                                 | 0                             | 0                             | 0.128             | 3.4               | 0                             | 0.128         | 0.256                          | 3.4                                      |
| 12/27/2007  | 0                                 | 0                             | 0                             | 0.065             | 2.55              | 0                             | 0.207         | 0.272                          | 2.55                                     |
| 3/20/2007   | 0                                 | 0                             | 0                             | 11.2              | 0                 | 0                             | 11.7          | 22.9                           | 0  |
| 6/13/2007   | 0                                 | 0                             | 0                             | 0.17              | 1.2               | 0.05                          | 0.254         | 0.424                          | 1.25                                     |
| 9/14/2007   | 0                                 | 0                             | 0                             | 0                 | 1.2               | 0.05                          | 0             | 0                              | 1.25                                     |
| 12/21/2007  | 0                                 | 0                             | 0                             | 0                 | 1.25              | 0.1                           | 0.178         | 0.178                          | 0.7                                      |
| 7/2/2008    | 0                                 | 0                             | 0                             | 0.054             | 1.75              | 0.05                          | 0.169         | 0.223                          | 0.7                                      |

TM2-14

D R A F T C O 2 1 2 0 0 9

**Malibu Country Mart II  
Well MW-2**

| Parameter   | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | Organic Nitrogen | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|-------------|--------------|----------------|----------------|---------|---------|------------------|--------|-------------------|-----------------------------|
| Unit        | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l)           | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL         | 0            | 0              |                |         |         |                  |        | 10                | 10                          |
| Sample Date |              |                |                |         |         |                  |        |                   |                             |
| 12/14/2004  | 0            | 0              | 0              | 18.8    | 0       | 0                | 15.5   | 34.3              | 0                           |
| 3/15/2005   | 0            | 13             | 22             | 0.96    | 0       | 0                | 1.15   | 2.11              | 0                           |
| 6/15/2005   | 30.5         | 0              | 500            | 13.7    | 0       | 0                | 15.7   | 29.4              | 0                           |
| 12/14/2005  | 0            | 0              | 17             | 11.7    | 0       | 0                | 14.1   | 25.8              | 0                           |
| 3/20/2006   | 0            | 0              | 2              | 9.1     | 0       | 0                | 9.2    | 18.3              | 0                           |
| 6/21/2006   | 52           | 0              | 130            | 8.59    | 0       | 0                | 8.65   | 17.24             | 0                           |
| 9/13/2006   | 0            | 0              | 0              | 1.92    | 0       | 0                | 4.37   | 6.29              | 0                           |
| 12/27/2007  | 0            | 0              | 220            | 10.6    | 0       | 0                | 11.7   | 22.3              | 0                           |
| 3/20/2007   | 0            | 0              | 0              | 9.2     | 0       | 0                | 11.9   | 21.1              | 0                           |
| 6/13/2007   | 0            | 0              | 2              | 12      | 0       | 0                | 12.8   | 24.8              | 0                           |
| 9/14/2007   | 0            | 0              | 0              | 3.61    | 0       | 0                | 3.81   | 7.42              | 0                           |
| 12/21/2007  | 0            | 22000          | 90000          | 7.24    | 0       | 0                | 7.59   | 14.83             | 0                           |
| 7/2/2008    | 0            | 16000          | 16001          | 14.1    | 0       | 0                | 15.9   | 30                | 0                           |

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9

**Malibu Country Mart II**  
**Well MW-3**

| Parameter          | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | Organic Nitrogen | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|--------------------|--------------|----------------|----------------|---------|---------|------------------|--------|-------------------|-----------------------------|
| Unit               | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l)           | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL                | 0            | 0              |                |         |         |                  |        | 10                | 10                          |
| <b>Sample Date</b> |              |                |                |         |         |                  |        |                   |                             |
| 12/14/2004         | 0            | 0              | 0              | 66      | 0.1     | 0                | 44.3   | 110.3             | 0.1                         |
| 3/15/2005          | 0            | 30             | 30             | 55      | 0       | 0                | 58.6   | 113.6             | 0                           |
| 6/15/2005          | 0            | 0              | 14             | 32      | 0       | 0                | 58.3   | 90.3              | 0                           |
| 12/14/2005         | 0            | 0              | 7              | 49.3    | 0       | 0                | 52     | 101.3             | 0                           |
| 3/20/2006          | 10           | 2              | 17             | 57      | 0       | 0                | 57.6   | 114.6             | 0                           |
| 6/21/2006          | 52           | 0              | 240            | 8.6     | 0       | 0                | 8.7    | 17.3              | 0                           |
| 9/13/2006          | 0            | 0              | 0              | 42.1    | 0       | 0                | 44.5   | 86.6              | 0                           |
| 12/27/2006         | 0            | 0              | 0              | 47.3    | 0       | 0                | 49.2   | 96.5              | 0                           |
| 3/20/2007          | 0            | 0              | 30             | 53.9    | 0       | 0                | 63     | 116.9             | 0                           |
| 6/13/2007          | 0            | 0              | 0              | 55.4    | 0       | 0                | 56.4   | 111.8             | 0                           |
| 9/13/2007          | 0            | 0              | 0              | 46.4    | 0       | 0                | 46.4   | 92.8              | 0                           |
| 12/21/2007         | 0            | 0              | 0              | 35      | 0       | 0                | 35.3   | 70.3              | 0                           |
| 7/2/2008           | 0            | 300            | 16001          | 28.3    | 0       | 0                | 29.8   | 58.1              | 0                           |
|                    |              |                |                |         |         |                  |        | 28.3              |                             |

D R A F T C O M P O S I T E D A T A

**Malibu Country Mart III  
Well MW-1**

| Parameter   | Enterococcus | Fecal Coliform | Total Coliform | Ammonia (mg/l) | Nitrate (mg/l) | Organic Nitrogen (mg/l) | TKN (mg/l) | Nitrate + Nitrite (mg/l) | Ammonia + Nitrate + Nitrite (mg/l) |
|-------------|--------------|----------------|----------------|----------------|----------------|-------------------------|------------|--------------------------|------------------------------------|
| Unit        | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    |                |                |                         |            |                          |                                    |
| MCL         | 0            | 0              |                |                |                |                         |            | 10                       | 10                                 |
| Sample Date |              |                |                |                |                |                         |            |                          |                                    |
| 3/8/2004    | 3            | 17             | 1601           | 0.084          | 1.57           | 0                       | 1.25       | 1.334                    | 1.57                               |
| 7/9/2004    | 0            | 0              | 0              | 0.12           | 1.6            | 0                       | 1.33       | 1.45                     | 1.6                                |
| 9/23/2004   | 0            | 0              | 0              | 0.11           | 1.15           | 0                       | 0.8        | 0.91                     | 1.15                               |
| 12/14/2004  | 0            | 0              | 0              | 0              | 1.6            | 0                       | 0          | 0                        | 1.6                                |
| 3/15/2005   | 0            | 0              | 0              | 0.063          | 2.6            | 0                       | 0.103      | 0.166                    | 2.6                                |
| 6/15/2005   | 31           | 0              | 0              | 0              | 3.15           | 0                       | 0.169      | 0.169                    | 3.15                               |
| 9/15/2005   | 0            | 4              | 6              | 0              | 3.3            | 0                       | 0.3        | 0.3                      | 3.3                                |
| 3/20/2006   | 0            | 0              | 0              | 0.17           | 2.5            | 0.1                     | 0.181      | 0.351                    | 2.6                                |
| 6/21/2006   | 96           | 0              | 0              | 0.1            | 2.25           | 0                       | 0.1        | 0.2                      | 2.25                               |
| 9/13/2006   | 0            | 0              | 0              | 0.079          | 2.2            | 0                       | 0.08       | 0.159                    | 2.2                                |
| 12/27/2006  | 0            | 0              | 0              | 0.177          | 1.9            | 0                       | 0.212      | 0.389                    | 1.9                                |
| 3/20/2007   | 0            | 0              | 4              | 0              | 1.55           | 0                       | 0.285      | 0.285                    | 1.55                               |
| 6/13/2007   | 0            | 0              | 0              | 0.079          | 1.75           | 0                       | 0.15       | 0.229                    | 1.75                               |
| 9/14/2007   | 0            | 2              | 2              | 0              | 1.4            | 0                       | 0          | 0                        | 1.4                                |
| 12/21/2007  | 0            | 0              | 0              | 0              | 1.5            | 0                       | 0.35       | 0.35                     | 1.5                                |
| 4/4/2008    | 0            | 0              | 0              | 0              | 1.9            | 0                       | 0.235      | 0.235                    | 1.9                                |
| 7/2/2008    | 0            | 0              | 0              | 2.35           | 0              | 0.091                   | 0.091      | 2.35                     | 2.35                               |

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**Malibu Country Mart III**  
**Well MW-2**

| Parameter   | Enterococcus<br>Unit<br>MCL | Fecal Coliform<br>(MPN/100ml) | Total Coliform<br>(MPN/100ml) | Ammonia<br>(mg/l) | Nitrate<br>(mg/l) | Organic<br>Nitrogen<br>(mg/l) | TKN<br>(mg/l) | Nitrate +<br>Nitrite<br>(mg/l) | Ammonia +<br>Nitrate +<br>Nitrite<br>(mg/l) |
|-------------|-----------------------------|-------------------------------|-------------------------------|-------------------|-------------------|-------------------------------|---------------|--------------------------------|---|
| Sample Date |                             |                               |                               |                   |                   |                               |               | 10                             | 10  |
| 3/8/2004    | 0                           | 0                             | 1601                          | 0.8               | 2.32              | 0                             | 1.07          | 1.87                           | 2.32  |
| 7/9/2004    | 0                           | 0                             | 0                             | 30.5              | 0.6               | 0                             | 2.5           | 33                             | 0.6   |
| 9/23/2004   | 4.1                         | 1601                          | 1601                          | 34                | 0.55              | 0                             | 12.4          | 46.4                           | 0.55  |
| 12/14/2004  | 500                         | 8                             | 22                            | 2.9               | 1.35              | 0                             | 1.64          | 4.54                           | 1.35  |
| 3/15/2005   | 0                           | 4                             | 22                            | 0.72              | 3.1               | 0                             | 0.826         | 1.546                          | 3.1   |
| 6/15/2005   | 230                         | 0                             | 9                             | 0.153             | 3.45              | 0                             | 0.252         | 0.405                          | 3.45  |
| 9/15/2005   | 63                          | 2                             | 2                             | 0.9               | 2.75              | 0                             | 1             | 1.9                            | 2.75  |
| 3/20/2006   | 10                          | 1100                          | 1100                          | 0.148             | 2.25              | 0                             | 0.156         | 0.304                          | 2.25  |
| 6/21/2006   | 84                          | 1601                          | 90000                         | 0.291             | 2.2               | 0                             | 0.294         | 0.585                          | 2.2   |
| 9/13/2006   | 0                           | 0                             | 130                           | 2.25              | 1.2               | 0                             | 2.51          | 4.76                           | 1.2   |
| 12/27/2006  | 23                          | 0                             | 9000                          | 0.648             | 1.5               | 0                             | 0.793         | 1.441                          | 1.5   |
| 3/20/2007   | 0                           | 0                             | 0                             | 0                 | 1.2               | 0                             | 0.231         | 0.231                          | 1.2   |
| 6/13/2007   | 0                           | 0                             | 30                            | 0.2               | 1.05              | 0                             | 0.201         | 0.401                          | 1.05  |
| 9/14/2007   | 0                           | 23                            | 23                            | 0                 | 3.3               | 0                             | 0             | 0                              | 3.3   |
| 12/21/2007  | 0                           | 0                             | 0                             | 0                 | 1.15              | 0                             | 0.502         | 0.502                          | 1.15  |
| 4/4/2008    | 0                           | 0                             | 0                             | 0                 | 1.8               | 0                             | 0.276         | 0.276                          | 1.8   |
| 7/2/2008    | 0                           | 0                             | 0                             | 0.074             | 2.1               | 0                             | 0.075         | 0.149                          | 2.1   |
|             |                             |                               |                               |                   |                   |                               |               |                                | 2.174                                       |

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**Malibu Country Mart III**  
**Well MW-3**

| Parameter          | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | Organic Nitrogen | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|--------------------|--------------|----------------|----------------|---------|---------|------------------|--------|-------------------|-----------------------------|
| Unit               | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l)           | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL                | 0            | 0              |                |         |         |                  |        | 10                | 10                          |
| <b>Sample Date</b> |              |                |                |         |         |                  |        |                   |                             |
| 3/8/2004           | 0            | 0              | 1601           | 0.086   | 1.35    | 0                | 0.58   | 0.666             | 1.35                        |
| 7/9/2004           | 0            | 0              | 4              | 0.12    | 1.35    | 0                | 1.74   | 1.86              | 1.35                        |
| 9/23/2004          | 0.99         | 23             | 50             | 0.15    | 0.25    | 0                | 1      | 1.15              | 0.25                        |
| 12/14/2004         | 13           | 1601           | 1601           | 0       | 1.8     | 0                | 0      | 0                 | 1.8                         |
| 3/15/2005          | 0            | 0              | 0              | 0.063   | 1.9     | 0                | 0.135  | 0.198             | 1.9                         |
| 6/15/2005          | 1860         | 0              | 2              | 0       | 4.8     | 0                | 0.23   | 0.23              | 4.8                         |
| 9/16/2005          | 0            | 0              | 0              | 0       | 3.2     | 0.05             | 0.16   | 0.16              | 3.25                        |
| 3/20/2006          | 0            | 2              | 2              | 0.107   | 2.45    | 0.1              | 0.1    | 0.207             | 2.55                        |
| 6/21/2006          | 97           | 1601           | 900000         | 0.302   | 2.25    | 0                | 0.305  | 0.607             | 2.25                        |
| 9/13/2006          | 0            | 0              | 8              | 2.25    | 1.2     | 0                | 2.51   | 4.76              | 1.2                         |
| 12/27/2006         | 23           | 0              | 8000           | 0.102   | 1.35    | 0                | 0.106  | 0.208             | 1.35                        |
| 3/20/2007          | 0            | 0              | 0              | 0       | 1.2     | 0                | 0.345  | 0.345             | 1.2                         |
| 6/13/2007          | 0            | 0              | 90             | 0.093   | 1.2     | 0                | 0.185  | 0.278             | 1.2                         |
| 9/14/2007          | 0            | 0              | 0              | 0       | 1.7     | 0.05             | 0      | 0                 | 1.75                        |
| 12/21/2007         | 0            | 0              | 0              | 0       | 1.45    | 0                | 0.33   | 0.33              | 1.45                        |
| 4/4/2008           | 0            | 0              | 0              | 0       | 1.95    | 0                | 0.32   | 0.32              | 1.95                        |
| 7/2/2008           | 0            | 0              | 0              | 1.75    | 0       | 0                | 0      | 1.75              | 1.75                        |

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**Malibu Creek Plaza**  
**Well #1**

| Parameter   | Enterococcus<br>(MPN/100ml) | Fecal Coliform<br>(MPN/100ml) | Total Coliform<br>(MPN/100ml) | Ammonia<br>(mg/l) | Nitrate<br>(mg/l) | Organic Nitrogen<br>(mg/l) | TKN<br>(mg/l) | Nitrate + Nitrite<br>(mg/l) | Ammonia + Nitrate + Nitrite<br>(mg/l) |
|-------------|-----------------------------|-------------------------------|-------------------------------|-------------------|-------------------|----------------------------|---------------|-----------------------------|---------------------------------------|
| Unit        | (MPN/100ml)                 | (MPN/100ml)                   | (MPN/100ml)                   |                   |                   |                            |               |                             |                                       |
| MCL         |                             | 0                             | 0                             |                   |                   |                            |               | 10                          | 10                                    |
| Sample Date |                             |                               |                               |                   |                   |                            |               |                             |                                       |
| 7/12/2002   | 7.4                         | 0                             | 1600                          | 0.26              | 2.77              | 0.03                       | 1.4           | 1.66                        | 2.8                                   |
| 9/5/2002    | 8.4                         | 0                             | 6                             | 0.08              | 2.47              | 0.11                       | 1.62          | 1.7                         | 2.58                                  |
| 11/6/2002   | 4.1                         | 0                             | 4                             | 1.2               | 0.47              | 0.03                       | 6.47          | 7.67                        | 0.5                                   |
| 3/12/2004   | 20.2                        | 0                             | 22                            | 0.03              | 3.3               | 0.03                       | 0.21          | 0.24                        | 3.33                                  |
| 5/28/2004   | 344.8                       | 8                             | 23                            | 0.17              | 3.8               | 0                          | 0.05          | 0.22                        | 3.8                                   |
| 8/13/2004   | 15.3                        | 0                             | 8                             | 0.23              | 3.9               | 0.03                       | 0.28          | 0.51                        | 3.93                                  |
| 11/12/2004  | 0                           | 4                             | 8                             | 0.15              | 2.06              | 0.14                       | 0.44          | 0.59                        | 2.2                                   |
| 2/15/2005   | 231.8                       | 0                             | 13                            | 0.08              | 4                 | 0                          | 1.18          | 1.26                        | 4                                     |
| 5/1/2005    | 0                           | 0                             | 0                             | 0                 | 5.66              | 0.2                        | 0.2           | 0.2                         | 5.86                                  |
| 9/1/2005    | 4.1                         | 0                             | 0                             | 0.08              | 2.21              | 0                          | 0.19          | 0.27                        | 2.21                                  |
| 11/22/2005  | 7.4                         | 4                             | 240                           | 0                 | 1.73              | 0                          | 0.05          | 0.05                        | 1.73                                  |
| 2/15/2006   | 0                           | 0                             | 0                             | 0.26              | 2.32              | 0.13                       | 0.05          | 0.31                        | 2.45                                  |
| 5/3/2006    | 0                           | 0                             | 0                             | 0                 | 3.4               | 0                          | 0.49          | 0.49                        | 3.4                                   |
| 8/22/2006   | 0                           | 0                             | 0                             | 0                 | 1.99              | 0                          | 0.05          | 0.05                        | 1.99                                  |
| 11/15/2006  | 6.2                         | 0                             | 0                             | 0.15              | 1.46              | 0                          | 1.29          | 1.44                        | 1.46                                  |
| 2/13/2007   | 11.6                        | 7                             | 50                            | 0.1               | 1.52              | 0                          | 0.81          | 0.91                        | 1.52                                  |
| 5/11/2007   | 0                           | 0                             | 7                             | 0.92              | 1.63              | 0                          | 0.26          | 1.18                        | 1.63                                  |
| 8/18/2007   | 42.4                        | 0                             | 8                             | 0.02              | 1.72              | 0                          | 0.64          | 0.66                        | 1.72                                  |
| 11/7/2007   | 0                           | 0                             | 12                            | 0.11              | 1.92              | 0                          | 0.23          | 0.34                        | 1.92                                  |
| 2/14/2008   | 84.5                        | 13                            | 50                            | 0.02              | 2.29              | 0                          | 0.44          | 0.46                        | 2.29                                  |
| 5/13/2008   | 50.5                        | 0                             | 0                             | 0.07              | 1.97              | 0                          | 0.17          | 0.24                        | 1.97                                  |
| 8/26/2008   | 9.8                         | 0                             | 0                             | 0.05              | 1.68              | 0                          | 1.02          | 1.07                        | 1.68                                  |
| 11/18/2008  | 7.2                         | 0                             | 23                            | 0.09              | 1.2               | 0                          | 0.26          | 0.35                        | 1.2                                   |

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**Malibu Creek Plaza  
Well #2**

| Parameter   | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | Organic Nitrogen | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|-------------|--------------|----------------|----------------|---------|---------|------------------|--------|-------------------|-----------------------------|
| Unit        | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l)           | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL         | 0            | 0              |                |         |         |                  |        | 10                | 10                          |
| Sample Date |              |                |                |         |         |                  |        |                   |                             |
| 7/12/2002   | 2419.2       | 80             | 1600           | 0.5     | 0.7     | 0.03             | 0.86   | 1.36              | 0.73                        |
| 9/5/2002    | 4.1          | 0              | 4              | 1.2     | 0.47    | 0.03             | 6.47   | 7.67              | 0.5                         |
| 11/6/2002   | 51.9         | 0              | 4              | 0       | 2.39    | 0.04             | 1.07   | 1.07              | 2.43                        |
| 3/12/2004   | 0            | 0              | 0              | 0.5     | 2.09    | 0                | 0.39   | 0.89              | 2.09                        |
| 5/28/2004   | 10.8         | 0              | 0              | 0.05    | 1.39    | 0                | 0.11   | 0.16              | 1.39                        |
| 8/13/2004   | 98.1         | 0              | 0              | 0.36    | 1.96    | 0.06             | 0.81   | 1.17              | 2.02                        |
| 11/12/2004  | 31.8         | 0              | 0              | 0.47    | 1.67    | 0.14             | 0.43   | 0.9               | 1.81                        |
| 2/15/2005   | 866.4        | 0              | 8              | 1.86    | 1.72    | 0                | 0.94   | 2.8               | 1.72                        |
| 5/1/2005    | 64.5         | 0              | 0              | 0.6     | 0       | 0                | 0.28   | 0.88              | 0                           |
| 9/1/2005    | 214.3        | 11             | 50             | 1.49    | 1.5     | 0                | 0.63   | 2.12              | 1.5                         |
| 11/22/2005  | 0            | 2              | 80             | 0.25    | 2.84    | 0                | 0.1    | 0.35              | 2.84                        |
| 3/2/2006    | 0            | 500            | 1600           | 0.28    | 0       | 0                | 0.05   | 0.33              | 0                           |
| 5/3/2006    | 18.3         | 0              | 0              | 0.27    | 2.06    | 0                | 0.25   | 0.52              | 2.06                        |
| 8/22/2006   | 0            | 0              | 0              | 0.08    | 1.35    | 0                | 0.05   | 0.13              | 1.35                        |
| 11/15/2006  | 0            | 0              | 30             | 0.59    | 1.46    | 0                | 0.18   | 0.77              | 1.46                        |
| 2/13/2007   | 32.9         | 0              | 4              | 0.74    | 1.81    | 0                | 0.78   | 1.52              | 1.81                        |
| 5/11/2007   | 0            | 4              | 4              | 2.63    | 1.52    | 0                | 2.4    | 5.03              | 1.52                        |
| 8/18/2007   | 10.8         | 0              | 0              | 2.71    | 1.9     | 0                | 1.56   | 4.27              | 1.9                         |
| 11/7/2006   | 5.2          | 0              | 280            | 1.48    | 1.84    | 0                | 1.3    | 2.78              | 1.84                        |
| 2/13/2008   | 3            | 0              | 7              | 0.98    | 1.69    | 0                | 1.31   | 2.29              | 1.69                        |
| 5/13/2008   | 3            | 0              | 0              | 4.96    | 16      | 0.04             | 1.22   | 6.18              | 16.04                       |
| 8/26/2008   | 9.7          | 0              | 23             | 0.55    | 2.28    | 0                | 0.56   | 1.11              | 2.28                        |
| 11/18/2008  | 0            | 90             | 0              | 1.56    | 1.33    | 0                | 0.05   | 1.61              | 1.33                        |

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**Malibu Creek Plaza**  
Well #3

| Parameter   | Enterococcus<br>(MPN/100ml) | Fecal Coliform<br>(MPN/100ml) | Total Coliform<br>(MPN/100ml) | Ammonia<br>(mg/l) | Nitrate<br>(mg/l) | Organic Nitrogen<br>(mg/l) | TKN<br>(mg/l) | Nitrate + Nitrite<br>(mg/l) | Ammonia + Nitrate + Nitrite<br>(mg/l) |
|-------------|-----------------------------|-------------------------------|-------------------------------|-------------------|-------------------|----------------------------|---------------|-----------------------------|---------------------------------------|
| Unit        | (MPN/100ml)                 | (MPN/100ml)                   | (MPN/100ml)                   | (mg/l)            | (mg/l)            | (mg/l)                     | (mg/l)        | (mg/l)                      | (mg/l)                                |
| MCL         |                             | 0                             | 0                             |                   |                   |                            |               | 10                          | 10                                    |
| Sample Date |                             |                               |                               |                   |                   |                            |               |                             |                                       |
| 7/12/2002   | 2                           | 0                             | 0                             | 0.17              | 1.16              | 0.03                       | 1.11          | 1.28                        | 1.19                                  |
| 9/5/2002    | 4                           | 0                             | 4                             | 0.5               | 0.93              | 0.08                       | 1.12          | 1.62                        | 1.01                                  |
| 11/6/2002   | 18.3                        | 0                             | 4                             | 0.26              | 1.09              | 0.03                       | 3.16          | 3.42                        | 1.12                                  |
| 3/12/2004   | 0                           | 0                             | 0                             | 0.62              | 2.02              | 0                          | 0.35          | 0.97                        | 2.02                                  |
| 5/28/2004   | 17.9                        | 8                             | 8                             | 0.33              | 2.89              | 0                          | 0.15          | 0.48                        | 2.89                                  |
| 8/13/2004   | 0                           | 0                             | 0                             | 0.69              | 2.24              | 0                          | 0.53          | 1.22                        | 2.24                                  |
| 11/12/2004  | 0                           | 350                           | 1600                          | 0.76              | 1.19              | 0.14                       | 0.48          | 1.24                        | 1.33                                  |
| 2/15/2005   | 2                           | 280                           | 900                           | 0.85              | 1.81              | 0                          | 0.67          | 1.52                        | 1.81                                  |
| 5/1/2005    | 0                           | 0                             | 13                            | 0.81              | 4.64              | 0                          | 0.28          | 1.09                        | 4.64                                  |
| 9/1/2005    | 0                           | 0                             | 0                             | 0.74              | 2.05              | 0                          | 0.3           | 1.04                        | 2.05                                  |
| 11/22/2005  | 2                           | 0                             | 300                           | 0.82              | 1.36              | 0                          | 0.36          | 1.18                        | 1.36                                  |
| 3/2/2006    | 5.2                         | 50                            | 50                            | 1.43              | 1.86              | 0.13                       | 0.05          | 1.48                        | 1.99                                  |
| 5/3/2006    | 8.4                         | 0                             | 4                             | 0.9               | 1.86              | 0                          | 0.32          | 1.22                        | 1.86                                  |
| 8/22/2006   | 3                           | 0                             | 0                             | 0                 | 1.53              | 0.03                       | 0.05          | 0.05                        | 1.56                                  |
| 11/15/2006  | 5.1                         | 0                             | 240                           | 0.73              | 0.72              | 0                          | 0.85          | 1.58                        | 0.72                                  |
| 2/13/2007   | 2419.2                      | 1600                          | 1600                          | 0.03              | 1.07              | 0                          | 2.73          | 2.76                        | 1.07                                  |
| 5/1/2007    | 235.9                       | 11                            | 26                            | 1.98              | 1.31              | 0                          | 1.41          | 3.39                        | 1.31                                  |
| 8/14/2007   | 165                         | 8                             | 1600                          | 0.63              | 0.74              | 0                          | 1.5           | 2.13                        | 0.74                                  |
| 12/5/2007   | 16                          | 0                             | 23                            | 0.6               | 0.87              | 0                          | 1.04          | 1.64                        | 0.87                                  |
| 2/13/2008   | 2419.2                      | 9                             | 1600                          | 0.76              | 1.12              | 0.06                       | 2.35          | 3.11                        | 1.18                                  |
| 5/13/2008   | 11.9                        | 0                             | 0                             | 0.76              | 1.09              | 0                          | 0.48          | 1.24                        | 1.09                                  |
| 8/26/2008   | 0                           | 0                             | 8                             | 0.13              | 1.46              | 0                          | 0.24          | 0.37                        | 1.46                                  |
| 11/18/2008  | 16.6                        | 1600                          | 280                           | 0.22              | 0.94              | 0.09                       | 1.46          | 1.68                        | 1.03                                  |

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**Malibu Creek Plaza  
Well #4**

| Parameter          | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | Organic Nitrogen | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|--------------------|--------------|----------------|----------------|---------|---------|------------------|--------|-------------------|-----------------------------|
| Unit               | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l)           | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL                | 0            | 0              |                |         |         |                  |        | 10                | 10                          |
| <b>Sample Date</b> |              |                |                |         |         |                  |        |                   |                             |
| 7/12/2002          | 49.6         | 0              | 11             | 0.17    | 0.34    | 0.03             | 1.18   | 1.35              | 0.37                        |
| 9/5/2002           | 22           | 0              | 240            | 0.4     | 0.03    | 0.09             | 2.91   | 3.31              | 0.12                        |
| 11/6/2002          | 8.2          | 0              | 4              | 1.13    | 0.06    | 0.03             | 2.61   | 3.74              | 0.09                        |
| 3/12/2004          | 48.7         | 0              | 0              | 0.06    | 1.63    | 0.04             | 0.24   | 0.3               | 1.22                        |
| 5/28/2004          | 0            | 0              | 0              | 0.48    | 0.09    | 0                | 0.05   | 0.53              | 0.09                        |
| 8/13/2004          | 3            | 0              | 0              | 0.25    | 3.47    | 0.12             | 0.38   | 0.63              | 3.59                        |
| 11/12/2004         | 0            | 0              | 13             | 0.26    | 0.85    | 0.28             | 0.18   | 0.44              | 1.13                        |
| 2/15/2005          | 2            | 13             | 13             | 0.12    | 2.54    | 0.05             | 0.2    | 0.32              | 2.59                        |
| 5/1/2005           | 0            | 0              | 0              | 0       | 0.38    | 0.95             | 0.51   | 0.51              | 1.33                        |
| 9/1/2005           | 0            | 50             | 50             | 0.06    | 0.27    | 0.02             | 0.16   | 0.22              | 0.29                        |
| 11/22/2005         | 2            | 4              | 1600           | 0.08    | 1.25    | 0.11             | 0.07   | 0.15              | 1.36                        |
| 3/2/2006           | 0            | 0              | 0              | 0.26    | 0.02    | 0                | 0.24   | 0.5               | 0.02                        |
| 5/3/2006           | 2            | 0              | 0              | 0       | 1.51    | 0.06             | 0.4    | 0.4               | 1.57                        |
| 8/22/2006          | 0            | 0              | 4              | 0       | 0.04    | 0                | 0.05   | 0.05              | 0.04                        |
| 11/15/2006         | 15.6         | 0              | 0              | 0       | 0.04    | 0                | 0.25   | 0.25              | 0.04                        |
| 2/15/2007          | 1046.2       | 0              | 300            | 0       | 0.03    | 0                | 0      | 0                 | 0.03                        |
| 5/11/2007          | 4.1          | 0              | 26             | 11.1    | 19.5    | 0                | 2.61   | 13.71             | 19.5                        |
| 8/17/2007          | 0            | 0              | 22             | 25.8    | 1.04    | 0                | 4.56   | 30.36             | 1.04                        |
| 12/6/2007          | 0            | 23             | 23             | 10.3    | 0.76    | 0                | 4.71   | 15.01             | 0.76                        |
| 2/14/2008          | 2419.2       | 14             | 1600           | 6.44    | 0.03    | 0                | 7.76   | 14.2              | 0.03                        |
| 5/13/2008          | 2419.2       | 500            | 1600           | 12.6    | 0.07    | 0                | 17     | 29.6              | 0.07                        |
| 8/26/2008          | 25.4         | 2              | 30             | 6.46    | 1.57    | 0                | 3.64   | 10.1              | 1.57                        |
| 11/18/2008         | 7.1          | 1600           | 240            | 7.75    | 0.04    | 0                | 3.7    | 11.45             | 0.04                        |

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**Malibu Creek Plaza**  
Well #5

| Parameter   | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | Nitrite | Organic Nitrogen | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|-------------|--------------|----------------|----------------|---------|---------|---------|------------------|--------|-------------------|-----------------------------|
| Unit        | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l)  | (mg/l)           | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL         | 0            | 0              |                |         |         |         |                  |        | 10                | 10                          |
| Sample Date |              |                |                |         |         |         |                  |        |                   |                             |
| 7/12/2002   | 2419.2       | 23             | 900            | 3.1     | 7.43    | 0.03    | 1.5              | 4.6    | 7.46              | 10.56                       |
| 9/5/2002    | 104.6        | 0              | 1600           | 0.15    | 4.45    | 0.16    | 1.13             | 1.28   | 4.61              | 4.76                        |
| 11/6/2002   | 184.2        | 240            | 1600           | 0       | 0.03    | 0.03    | 2.04             | 2.04   | 0.06              | 0.06                        |
| 3/12/2004   | 0            | 0              | 4              | 7.23    | 0.04    | 0       | 3.22             | 10.45  | 0.04              | 7.27                        |
| 5/28/2004   | 0            | 0              | 0              | 4.28    | 0       | 0       | 3.54             | 7.82   | 0                 | 4.28                        |
| 8/13/2004   | 2            | 0              | 0              | 3.61    | 0       | 0       | 4.3              | 7.91   | 0                 | 3.61                        |
| 11/12/2004  | 0            | 1600           | 1600           | 2.98    | 0       | 0.14    | 1.99             | 4.97   | 0.14              | 3.12                        |
| 2/15/2005   | 0            | 240            | 240            | 4.58    | 0       | 0       | 3.42             | 8      | 0                 | 4.58                        |
| 5/1/2005    | 0            | 0              | 0              | 4.52    | 0.09    | 0       | 3.21             | 7.73   | 0.09              | 4.61                        |
| 9/1/2005    | 0            | 14             | 22             | 2.73    | 0.25    | 0       | 1.2              | 3.93   | 0.25              | 2.98                        |
| 11/22/2005  | 0            | 0              | 0              | 9.81    | 0       | 0       | 4.93             | 14.74  | 0                 | 9.81                        |
| 3/2/2006    | 0            | 0              | 17             | 6.58    | 0.03    | 0       | 1.06             | 7.64   | 0.03              | 6.61                        |
| 5/3/2006    | 12.1         | 0              | 0              | 6.59    | 0       | 0       | 5.76             | 12.35  | 0                 | 6.59                        |
| 8/22/2006   | 0            | 0              | 0              | 1.17    | 0.92    | 0       | 0.12             | 1.29   | 0.92              | 2.09                        |
| 11/15/2006  | 103.9        | 8              | 80             | 4.28    | 0.04    | 0.05    | 0.78             | 5.06   | 0.09              | 4.37                        |
| 2/13/2007   | 488.4        | 0              | 23             | 4.05    | 0       | 0       | 0.06             | 4.11   | 0                 | 4.05                        |
| 5/11/2007   | 2            | 23             | 30             | 0.33    | 0       | 0       | 5.92             | 6.25   | 0                 | 0.33                        |
| 8/17/2007   | 49.7         | 1600           | 1600           | 1.23    | 0.28    | 0.03    | 1.76             | 2.99   | 0.31              | 1.54                        |
| 12/5/2007   | 58           | 50             | 140            | 0.98    | 0       | 0       | 0.74             | 1.72   | 0                 | 0.98                        |
| 2/14/2008   | 2            | 17             | 110            | 1.18    | 0.11    | 0       | 0.6              | 1.78   | 0.11              | 1.29                        |
| 5/13/2008   | 6.2          | 0              | 4              | 2.82    | 0.027   | 0       | 0.22             | 3.04   | 0.027             | 2.847                       |
| 8/26/2008   | 5.2          | 500            | 1600           | 0.13    | 1.4     | 0       | 0.06             | 0.19   | 1.4               | 1.53                        |
| 11/18/2008  | 0            | 130            | 14             | 0.08    | 1.47    | 0       | 0.36             | 0.44   | 1.47              | 1.55                        |

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**Malibu Creek Plaza**  
**Well #6**

| Parameter   | Enterococcus<br>Unit | (MPN/100ml) | Fecal Coliform<br>(MPN/100ml) | Total Coliform<br>(MPN/100ml) | Ammonia<br>(mg/l) | Nitrate<br>(mg/l) | Organic<br>Nitrogen<br>(mg/l) | TKN<br>(mg/l) | Nitrate +<br>Nitrite<br>(mg/l) | Ammonia +<br>Nitrate + Nitrite<br>(mg/l) |
|-------------|----------------------|-------------|-------------------------------|-------------------------------|-------------------|-------------------|-------------------------------|---------------|--------------------------------|--|
| MCL         |                      | 0           | 0                             |                               |                   |                   |                               |               | 10                             | 10                                       |
| Sample Date |                      |             |                               |                               |                   |                   |                               |               |                                |  |
| 7/12/2002   | 2                    | 0           | 0                             | 0.19                          | 0.06              | 0.03              | 1.12                          | 1.31          | 0.09                           | 0.28                                     |
| 9/5/2002    | 2419.2               | 0           | 1600                          | 0.72                          | 0.19              | 0.06              | 1.21                          | 1.93          | 0.25                           | 0.97                                     |
| 11/6/2002   | 29.1                 | 0           | 300                           | 0                             | 4.22              | 0.09              | 2.18                          | 2.18          | 4.31                           | 4.31                                     |
| 3/12/2004   | 8.2                  | 0           | 7                             | 0.03                          | 0.73              | 0.04              | 0.73                          | 0.76          | 0.77                           | 0.8                                      |
| 5/28/2004   | 79.7                 | 13          | 23                            | 0.13                          | 3.46              | 0                 | 0                             | 0.13          | 3.46                           | 3.59                                     |
| 8/13/2004   | 32.9                 | 0           | 0                             | 0.1                           | 3.9               | 0.03              | 0.3                           | 0.4           | 3.93                           | 4.03                                     |
| 11/12/2004  | 0                    | 0           | 4                             | 0.23                          | 1.45              | 0.19              | 0.17                          | 0.4           | 1.64                           | 1.87                                     |
| 2/15/2005   | 65.7                 | 0           | 4                             | 0.02                          | 1.49              | 0                 | 0.58                          | 0.6           | 1.49                           | 1.51                                     |
| 5/1/2005    | 0                    | 0           | 0                             | 0                             | 13.3              | 10.4              | 0.43                          | 0.43          | 23.7                           | 23.7                                     |
| 9/1/2005    | 23.4                 | 0           | 8                             | 0                             | 3.99              | 0                 | 0                             | 0             | 3.99                           | 3.99                                     |
| 11/22/2005  | 6.2                  | 4           | 1600                          | 0.03                          | 0.66              | 0                 | 0.11                          | 0.14          | 0.66                           | 0.69                                     |
| 3/2/2006    | 0                    | 0           | 0                             | 0.16                          | 0.98              | 0                 | 0.05                          | 0.21          | 0.98                           | 1.14                                     |
| 5/3/2006    | 2                    | 0           | 4                             | 0.12                          | 0.9               | 0                 | 0.31                          | 0.43          | 0.9                            | 1.02                                     |
| 8/22/2006   | 0                    | 0           | 0                             | 3.74                          | 0.04              | 0                 | 0.81                          | 4.55          | 0.04                           | 3.78                                     |
| 11/15/2006  | 22.1                 | 7           | 7                             | 0                             | 1.18              | 0                 | 0                             | 0             | 1.18                           | 1.18                                     |
| 2/13/2007   | 13.5                 | 0           | 0                             | 0.11                          | 1.23              | 0                 | 0.31                          | 0.42          | 1.23                           | 1.34                                     |
| 5/10/2007   | 290.9                | 0           | 4                             | 0.16                          | 0.82              | 0                 | 0.75                          | 0.91          | 0.82                           | 0.98                                     |
| 8/14/2007   | 58.5                 | 0           | 30                            | 0                             | 7.96              | 0                 | 1.19                          | 1.19          | 7.96                           | 7.96                                     |
| 11/15/2007  | 103                  | 0           | 2                             | 0                             | 1.67              | 0                 | 1.61                          | 1.61          | 1.67                           | 1.67                                     |
| 2/14/2008   | 5.1                  | 0           | 11                            | 0                             | 1.35              | 0.03              | 0.35                          | 0.35          | 1.38                           | 1.38                                     |
| 5/13/2008   | 0                    | 0           | 0                             | 0.03                          | 1.25              | 0                 | 0.39                          | 0.42          | 1.25                           | 1.28                                     |
| 8/26/2008   | 9.3                  | 0           | 0                             | 0                             | 10.7              | 0                 | 0                             | 0             | 10.7                           | 10.7                                     |
| 11/18/2008  | 7                    | 0           | 0                             | 0                             | 2.92              | 0                 | 0                             | 0             | 2.92                           | 2.92                                     |

D R A F T C O M P L E T E D

**Malibu Lumber  
ML MW-1, ML MW-2, ML MW-3, ML MW-4, ML MW-5**

| Parameter     | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | Nitrite | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|---------------|--------------|----------------|----------------|---------|---------|---------|--------|-------------------|-----------------------------|
| Unit          | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l)  | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL           | 0            | 0              |                |         |         |         |        | 10                | 10                          |
| Sample Number | Sample Date  |                |                |         |         |         |        |                   |                             |
| ML MW-1       | 5/20/2009    | 6              | 2              | 1.55    | 1.8     | 0       | 1.68   | 1.8               | 3.35                        |
| ML MW-2       | 5/20/2009    | 2              | 4              | 1.7     | 2.3     | 0       | 1.86   | 2.3               | 4                           |
| ML MW-3       | 5/20/2009    | 8              | 0              | 4       | 8.8     | 1.9     | 0      | 9                 | 1.9                         |
| ML MW-4       | 5/20/2009    | 62             | 0              | 0       | 0.94    | 2.2     | 0      | 1.02              | 2.2                         |
| ML MW-5       | 5/20/2009    | 84             | 0              | 0       | 0.65    | 1.7     | 0      | 0.74              | 1.7                         |
|               |              |                |                |         |         |         |        |                   | 2.35                        |

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**Malibu Colony Plaza**  
Well # 1

| Parameter          | Enterococcus | Fecal Coliform | Total Coliform | Ammonia<br>(mg/l) | Nitrite<br>(mg/l) | Organic<br>Nitrogen<br>(mg/l) | TKN<br>(mg/l) | Nitrate +<br>Nitrite<br>(mg/l) | Ammonia +<br>Nitrate +<br>Nitrite<br>(mg/l) |
|--------------------|--------------|----------------|----------------|-------------------|-------------------|-------------------------------|---------------|--------------------------------|---|
| Unit               | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    |                   |                   |                               |               |                                |   |
| MCL                | 0            | 0              |                |                   |                   |                               |               | 10                             | 10  |
| <b>Sample Date</b> |              |                |                |                   |                   |                               |               |                                |   |
| 2/28/2003          | 14.8         | 8              | 8              | 1.59              | 0.45              | 0.09                          | 2.96          | 4.55                           | 0.54  |
| 5/22/2003          | 0.99         | 0              | 4              | 0.22              | 0.16              | 0.09                          | 0.84          | 1.06                           | 0.25  |
| 8/21/2003          | 1986.3       | 0              | 0              | 0.4               | 0.05              | 0.09                          | 0.41          | 0.81                           | 0.14  |
| 11/5/2003          | 0            | 0              | 0              | 0.59              | 0.04              | 0                             | 0.39          | 0.98                           | 0.04  |
| 2/25/2004          | 0            | 0              | 0              | 0.38              | 0.06              | 0                             | 0.02          | 0.4                            | 0.06  |
| 4/30/2004          | 0            | 0              | 0              | 0.82              | 0.019             | 0                             | 0.26          | 1.08                           | 0.019                                       |
| 8/18/2004          | 0            | 0              | 0              | 0.31              | 0.03              | 0                             | 0.08          | 0.39                           | 0.03  |
| 11/12/2004         | 0            | 0              | 0              | 0.36              | 0.03              | 0.14                          | 0.31          | 0.67                           | 0.17  |
| 2/15/2005          | 14.1         | 4              | 23             | 0.11              | 0.07              | 0                             | 0.74          | 0.85                           | 0.07  |
| 5/12/2005          | 0.99         | 0              | 0              | 0.04              | 0.1               | 0                             | 0.22          | 0.26                           | 0.1   |
| 8/16/2005          | 2            | 0              | 0              | 0.29              | 0.06              | 0                             | 0.14          | 0.43                           | 0.06  |
| 11/19/2005         | 18.9         | 7              | 500            | 0.13              | 0.04              | 0                             | 0.1           | 0.23                           | 0.04  |
| 2/14/2006          | 114.5        | 2              | 2              | 0.17              | 0                 | 0.1                           | 0.05          | 0.22                           | 0.1   |
| 6/7/2006           | 4.1          | 13             | 23             | 0                 | 0.03              | 0.02                          | 0.15          | 0.15                           | 0   |
| 9/20/2006          | 3            | 2              | 16             | 0                 | 0.03              | 0.02                          | 0.05          | 0.05                           | 0   |
| 12/26/2006         | 10           | 2              | 2              | 7.5               | 6.5               | 0                             | 7.9           | 15.4                           | 6.5   |
| 3/8/2007           | 0            | 0              | 0              | 0.93              | 1.7               | 0.028                         | 0.99          | 1.92                           | 1.728                                       |
| 6/7/2007           | 2            | 2              | 2              | 0.88              | 1.85              | 0.021                         | 0.04          | 0.92                           | 1.871                                       |
| 9/6/2007           | 2            | 2              | 10             | 0.79              | 2                 | 0.023                         | 0.06          | 0.85                           | 2.023                                       |
| 11/15/2007         | 2            | 34             | 480            | 0.8               | 1.7               | 0.024                         | 0.05          | 0.85                           | 1.724                                       |
| 2/14/2008          | 2            | 2              | 16             | 0.82              | 1.5               | 0.022                         | 0.04          | 0.86                           | 1.522                                       |
| 5/14/2008          | 2            | 2              | 2              | 0.87              | 1.9               | 0.024                         | 0.07          | 0.94                           | 1.924                                       |

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**Malibu Colony Plaza  
Well # 2**

| Parameter   | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | Organic Nitrogen | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|-------------|--------------|----------------|----------------|---------|---------|------------------|--------|-------------------|-----------------------------|
| Unit        | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l)           | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL         | 0            | 0              |                |         |         |                  |        | 10                | 10                          |
| Sample Date |              |                |                |         |         |                  |        |                   |                             |
| 2/28/2003   | 2            | 0              | 0              | 11.3    | 2.31    | 0.09             | 6.92   | 18.22             | 2.4                         |
| 5/22/2003   | 2419.21      | 2              | 23             | 7.04    | 0.74    | 0.1              | 3.55   | 10.59             | 0.84                        |
| 8/21/2003   | 2419.21      | 0              | 2              | 7.4     | 0.23    | 0.09             | 7.26   | 14.66             | 0.32                        |
| 11/5/2003   | 0            | 0              | 8              | 12      | 0.65    | 0                | 37     | 49                | 0.65                        |
| 2/25/2004   | 0            | 0              | 0              | 7.51    | 4.59    | 0                | 12.3   | 19.81             | 4.59                        |
| 4/30/2004   | 0            | 0              | 0              | 11.3    | 5.69    | 0.03             | 4.15   | 15.45             | 5.72                        |
| 8/18/2004   | 0            | 0              | 0              | 9.36    | 1.5     | 0.07             | 5.68   | 15.04             | 1.57                        |
| 11/12/2004  | 0            | 7              | 900            | 8.06    | 0.22    | 0.25             | 5.18   | 13.24             | 0.47                        |
| 2/15/2005   | 4.1          | 14             | 50             | 2.16    | 1.79    | 0.005            | 8.87   | 11.03             | 1.795                       |
| 5/12/2005   | 0            | 0              | 0              | 2.3     | 3.83    | 0                | 11.3   | 13.6              | 3.83                        |
| 8/16/2005   | 0            | 0              | 0              | 9.69    | 1.34    | 0.06             | 2.16   | 11.85             | 1.4                         |
| 11/9/2005   | 0            | 2              | 2              | 9.65    | 1.76    | 0.07             | 0.43   | 10.08             | 1.83                        |
| 2/14/2006   | 1            | 2              | 2              | 23.4    | 0.04    | 0.09             | 0.24   | 23.64             | 0.13                        |
| 6/7/2006    | 10.1         | 17             | 80             | 12.2    | 0.05    | 0.04             | 10.6   | 22.8              | 0.09                        |
| 9/20/2006   | 1            | 2              | 2              | 20.4    | 0.07    | 0.03             | 1.51   | 21.91             | 0.1                         |
| 12/26/2006  | 10           | 2              | 2              | 28.7    | 11      | 0.021            | 29.4   | 58.1              | 11.021                      |
| 3/8/2007    | 0            | 0              | 0              | 22      | 11.5    | 0.024            | 23     | 45                | 11.524                      |
| 6/7/2007    | 8            | 2              | 2              | 19.8    | 10.6    | 0.023            | 0.2    | 20                | 10.623                      |
| 9/6/2007    | 2            | 2              | 10             | 18.1    | 9.9     | 0.027            | 0.9    | 19                | 9.927                       |
| 11/15/2007  | 10           | 50             | 110            | 16.7    | 9.4     | 0.02             | 0.7    | 17.4              | 9.42                        |
| 2/14/2008   | 2            | 2              | 2              | 20.4    | 10.2    | 0.021            | 0.6    | 21                | 10.221                      |
| 5/14/2008   | 11           | 2              | 2              | 18.5    | 10.6    | 0.027            | 1.2    | 19.7              | 10.627                      |

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**Malibu Colony Plaza**  
Well # 3

| Parameter   | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | Organic Nitrogen | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|-------------|--------------|----------------|----------------|---------|---------|------------------|--------|-------------------|-----------------------------|
| Unit        | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l)           | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL         | 0            | 0              |                |         |         |                  |        | 10                | 10                          |
| Sample Date |              |                |                |         |         |                  |        |                   |                             |
| 2/28/2003   | 1            | 0              | 0              | 0.2     | 120     | 0                | 1.87   | 2.07              | 120                         |
| 5/22/2003   | 101.4        | 0              | 4              | 0.09    | 21.1    | 0.1              | 0.08   | 0.17              | 21.2                        |
| 8/21/2003   | 12           | 0              | 2              | 0.3     | 25.7    | 0                | 0.46   | 0.76              | 25.7                        |
| 11/5/2003   | 2            | 0              | 0              | 0.38    | 23.4    | 0.012            | 1.25   | 1.63              | 23.412                      |
| 2/25/2004   | 0            | 0              | 0              | 0.31    | 22      | 0.08             | 0.11   | 0.42              | 22.08                       |
| 4/30/2004   | 16.1         | 0              | 0              | 0.41    | 30.4    | 0.08             | 0.33   | 0.74              | 30.48                       |
| 8/18/2004   | 2            | 0              | 0              | 0       | 52.8    | 0.27             | 0.32   | 0.32              | 53.07                       |
| 11/12/2004  | 0            | 0              | 0              | 0       | 21      | 1.82             | 0.049  | 0.049             | 22.82                       |
| 2/15/2005   | 131.3        | 8              | 13             | 0       | 26.1    | 0.25             | 0.08   | 0.08              | 26.35                       |
| 5/12/2005   | 0            | 0              | 0              | 0       | 24.7    | 0                | 0.16   | 0.16              | 24.7                        |
| 8/16/2005   | 13.4         | 4              | 27             | 0.03    | 26.6    | 0                | 0.29   | 0.32              | 26.6                        |
| 11/9/2005   | 0            | 7              | 30             | 0.09    | 22.3    | 0.2              | 0.049  | 0.139             | 22.5                        |
| 2/14/2006   | 133.4        | 2              | 2              | 0.28    | 34.3    | 0.26             | 0.05   | 0.33              | 34.56                       |
| 6/7/2006    | 1            | 23             | 23             | 0       | 23.3    | 0.26             | 0.05   | 0.05              | 23.56                       |
| 9/20/2006   | 2            | 2              | 2              | 0       | 13.7    | 0.22             | 0.05   | 0.05              | 13.92                       |
| 12/26/2006  | 10           | 2              | 2              | 1.05    | 30.5    | 0.251            | 1.2    | 2.25              | 30.751                      |
| 3/8/2007    | 0            | 0              | 0              | 0.11    | 13.7    | 0                | 0.13   | 0.24              | 13.7                        |
| 6/7/2007    | 2            | 2              | 2              | 0.1     | 12.5    | 0                | 0.02   | 0.12              | 12.5                        |
| 9/6/2007    | 2            | 2              | 10             | 0       | 11.4    | 0                | 0      | 0                 | 11.4                        |
| 11/15/2007  | 2            | 14             | 170            | 0.1     | 11.6    | 0                | 0.02   | 0.12              | 11.6                        |
| 2/14/2008   | 2            | 2              | 2              | 0.1     | 12.6    | 0                | 0      | 0.1               | 12.6                        |
| 5/14/2008   | 9            | 2              | 2              | 0.1     | 14      | 0                | 0.02   | 0.12              | 14                          |
|             |              |                |                |         |         |                  |        |                   | 14.1                        |

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**Malibu Colony Plaza**  
**Well # 4**

| Parameter          | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | Organic Nitrogen | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|--------------------|--------------|----------------|----------------|---------|---------|------------------|--------|-------------------|-----------------------------|
| Unit               | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l)           | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL                | 0            | 0              |                |         |         |                  |        | 10                | 10                          |
| <b>Sample Date</b> |              |                |                |         |         |                  |        |                   |                             |
| 2/28/2003          | 0            | 0              | 0              | 0.049   | 99.4    | 0                | 0.99   | 1.039             | 99.4                        |
| 5/22/2003          | 2419.21      | 0              | 50             | 0.08    | 23.1    | 0                | 0.09   | 0.17              | 23.1                        |
| 8/21/2003          | 2419.21      | 0              | 300            | 0.2     | 24.3    | 0                | 0.049  | 0.249             | 24.3                        |
| 11/5/2003          | 109.5        | 0              | 2              | 0.83    | 23      | 0.03             | 0.87   | 1.7               | 23.03                       |
| 2/25/2004          | 0            | 0              | 0              | 0.26    | 18.4    | 0.06             | 0.049  | 0.309             | 18.46                       |
| 4/30/2004          | 3.1          | 0              | 0              | 0.34    | 26.8    | 0.03             | 0.049  | 0.389             | 26.83                       |
| 8/18/2004          | 0            | 0              | 0              | 0.28    | 30.6    | 0.1              | 0.29   | 0.57              | 30.7                        |
| 11/12/2004         | 0            | 0              | 0              | 0.08    | 22.7    | 1.3              | 0.049  | 0.129             | 24                          |
| 2/15/2005          | 0            | 2              | 8              | 0       | 16.5    | 0                | 0.049  | 0.049             | 16.5                        |
| 5/12/2005          | 0            | 2              | 2              | 0       | 14.9    | 0                | 0.049  | 0.049             | 14.9                        |
| 8/16/2005          | 2            | 0              | 0              | 0.04    | 12.5    | 0                | 0.28   | 0.32              | 12.5                        |
| 11/9/2005          | 1            | 17             | 1600           | 0.02    | 2.16    | 0                | 0.049  | 0.069             | 2.16                        |
| 2/14/2006          | 133.4        | 2              | 2              | 0.28    | 34.3    | 0.26             | 0.05   | 0.33              | 34.56                       |
| 6/7/2006           | 1            | 23             | 23             | 0       | 23.3    | 0.26             | 0.05   | 0.05              | 23.56                       |
| 9/20/2006          | 1            | 2              | 2              | 0       | 13.7    | 0                | 0.05   | 0.05              | 13.7                        |
| 12/26/2006         | 10           | 2              | 2              | 30      | 7.5     | 0.026            | 31     | 61                | 7.526                       |
| 3/8/2007           | 0            | 0              | 0              | 0.64    | 10      | 0.031            | 0.7    | 1.34              | 10.031                      |
| 6/7/2007           | 2            | 2              | 2              | 0.59    | 9.7     | 0.035            | 0.03   | 0.62              | 9.735                       |
| 9/6/2007           | 2            | 2              | 10             | 0.52    | 9.5     | 0.03             | 0.06   | 0.58              | 9.53                        |
| 11/15/2007         | 2            | 6              | 90             | 0.52    | 8.5     | 0.029            | 0.06   | 0.58              | 8.529                       |
| 2/14/2008          | 2            | 2              | 2              | 12.8    | 0.52    | 9.4              | 0.027  | 12.83             | 9.92                        |
| 5/14/2008          | 2            | 2              | 2              | 0.57    | 9.3     | 0.028            | 0.06   | 0.63              | 9.328                       |
|                    |              |                |                |         |         |                  |        |                   | 9.898                       |

D R A F T C O M P O S I T I O N

**Malibu Colony Plaza  
Well # 5**

| Parameter          | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | Nitrite | Organic Nitrogen | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|--------------------|--------------|----------------|----------------|---------|---------|---------|------------------|--------|-------------------|-----------------------------|
| Unit               | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l)  | (mg/l)           | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL                | 0            | 0              |                |         |         |         |                  |        | 10                | 10                          |
| <b>Sample Date</b> |              |                |                |         |         |         |                  |        |                   |                             |
| 2/28/2003          | 4.1          | 0              | 0              | 11.5    | 4.64    | 0       | 3.98             | 15.48  | 4.64              | 16.14                       |
| 5/22/2003          | 2419.21      | 0              | 2              | 9.71    | 0.16    | 0       | 4.83             | 14.54  | 0.16              | 9.87                        |
| 8/21/2003          | 103.9        | 0              | 4              | 11.8    | 0.46    | 0       | 4.56             | 16.36  | 0.46              | 12.26                       |
| 11/5/2003          | 6.2          | 0              | 0              | 18.1    | 0.34    | 0       | 15.1             | 33.2   | 0.34              | 18.44                       |
| 2/25/2004          | 0            | 0              | 0              | 7.32    | 0.97    | 0       | 7.32             | 14.64  | 0.97              | 8.29                        |
| 4/30/2004          | 0            | 0              | 17             | 18      | 1.44    | 0       | 18               | 36     | 1.44              | 19.44                       |
| 8/18/2004          | 0            | 0              | 0              | 16.5    | 3       | 0.04    | 16.5             | 33     | 3.04              | 19.54                       |
| 11/12/2004         | 0            | 0              | 23             | 1.65    | 0.09    | 0.15    | 1.65             | 3.3    | 0.24              | 1.89                        |
| 2/15/2005          | 2419.21      | 50             | 50             | 2.08    | 2.08    | 0       | 2.08             | 4.16   | 2.08              | 4.16                        |
| 5/12/2005          | 1.1          | 26             | 110            | 2.17    | 0       | 2.17    | 4.34             | 2.17   | 4.34              |                             |
| 8/16/2005          | 0            | 1.9            | 4              | 10.6    | 10.6    | 0.02    | 10.6             | 21.2   | 10.62             | 21.22                       |
| 11/9/2005          | 2            | 4              | 900            | 7.25    | 7.25    | 0       | 7.25             | 14.5   | 7.25              | 14.5                        |
| 2/14/2006          | 1986.3       | 2              | 2              | 16      | 0       | 0.02    | 16               | 32     | 0.02              | 16.02                       |
| 6/7/2006           | 1            | 2              | 2              | 19.6    | 0.06    | 0.02    | 19.6             | 39.2   | 0.08              | 19.68                       |
| 9/20/2006          | 2419.2       | 2              | 1600           | 21.2    | 0       | 0.02    | 4.79             | 25.99  | 0.02              | 21.22                       |
| 12/26/2006         | 10           | 2              | 2              | 1.75    | 16.5    | 0       | 1.9              | 3.65   | 16.5              | 18.25                       |
| 3/8/2007           | 0            | 0              | 0              | 6       | 1.9     | 0.029   | 6.3              | 12.3   | 1.929             | 7.929                       |
| 6/7/2007           | 2            | 4              | 2              | 5.7     | 1.8     | 0.03    | 0.01             | 5.71   | 1.83              | 7.53                        |
| 9/6/2007           | 2            | 2              | 10             | 4.8     | 2.1     | 0.025   | 0.2              | 5      | 2.125             | 6.925                       |
| 11/15/2007         | 68           | 8              | 80             | 4.8     | 1.9     | 0.026   | 0.12             | 4.92   | 1.926             | 6.726                       |
| 2/14/2008          | 2            | 2              | 2              | 5.4     | 1.7     | 0.025   | 0.2              | 5.6    | 1.725             | 7.125                       |
| 5/14/2008          | 2            | 2              | 2              | 5       | 1.7     | 0.031   | 0.5              | 5.5    | 1.731             | 6.731                       |

D R A F T C O M P O S I T E W E E K L Y Q U A L I T Y R E P O R T

**Malibu Civic Center Area  
Well C-1**

| Parameter   | Enterococcus<br>(MPN/100ml) | Fecal<br>Coliform<br>(MPN/100ml) | Total<br>Coliform<br>(MPN/100ml) | Ammonia<br>(mg/l) | Nitrate<br>(mg/l) | Nitrite<br>(mg/l) | TKN<br>(mg/l) | Nitrate + Nitrite<br>(mg/l) | Ammonia + Nitrate +<br>Nitrite<br>(mg/l) |
|-------------|-----------------------------|----------------------------------|----------------------------------|-------------------|-------------------|-------------------|---------------|-----------------------------|--|
| MCL         |                             | 0                                | 0                                |                   |                   |                   |               | 10                          | 10                                       |
| Sample Date |                             |                                  |                                  |                   |                   |                   |               |                             |  |
| 4/24/2003   | 0                           | 0                                | 0                                | 3.27              | 0.6               | 0                 | 4.1           | 0.6                         | 3.87                                     |
| 5/30/2003   | 648.8                       | 0                                | 22                               | 1.97              | 0.05              | 0                 | 3.2           | 0.05                        | 2.02                                     |
| 6/30/2003   | 61.3                        | 0                                | 20                               | 2.88              | 0                 | 0                 | 3.5           | 0                           | 2.88                                     |
| 7/24/2003   | 178.5                       | 0                                | 17                               | 0.51              | 0                 | 0                 | 5.4           | 0                           | 0.51                                     |
| 8/19/2003   | 63.7                        | 4                                | 17                               | 3.02              | 0                 | 0                 | 6.9           | 0                           | 3.02                                     |
| 9/30/2003   | 2                           | 6                                | 6                                | 8.57              | 0                 | 0                 | 9.7           | 0                           | 8.57                                     |
| 10/21/2003  | 0                           | 2                                | 2                                | 7.22              | 0                 | 0                 | 10            | 0                           | 7.22                                     |
| 11/18/2003  | 0                           | 0                                | 8                                | 3.75              | 0.02              | 0                 | 8.3           | 0.02                        | 3.77                                     |
| 12/16/2003  | 0                           | 0                                | 0                                | 3.42              | 0                 | 0                 | 6.3           | 0                           | 3.42                                     |
| 1/20/2004   | 0                           | 2                                | 2                                | 0                 | 0.06              | 0.02              | 7.3           | 0.08                        | 0.08                                     |
| 2/17/2004   | 1                           | 0                                | 0                                | 3.78              | 0.08              | 0                 | 6.3           | 0.08                        | 3.86                                     |
| 3/16/2004   | 32.3                        | 0                                | 0                                | 2.65              | 0.04              | 0                 | 4.7           | 0.7                         | 2.69                                     |

D R A F T C O 2 1 0 0 9

**Malibu Civic Center Area  
Well C-2**

| Parameter   | Enterococcus<br>(MPN/100ml) | Fecal Coliform<br>(MPN/100ml) | Total Coliform<br>(MPN/100ml) | Ammonia Nitrate<br>(mg/l) | Nitrite<br>(mg/l) | TKN<br>(mg/l) | Nitrate + Nitrite<br>(mg/l) | Ammonia + Nitrate + Nitrite<br>(mg/l) |
|-------------|-----------------------------|-------------------------------|-------------------------------|---------------------------|-------------------|---------------|-----------------------------|---------------------------------------|
| MCL         | 0                           | 0                             |                               |                           |                   |               | 10                          | 10                                    |
| Sample Date |                             |                               |                               |                           |                   |               |                             |                                       |
| 4/24/2003   | 200                         | 0                             | 14                            | 0.11                      | 0.61              | 0             | 0.57                        | 0.61                                  |
| 5/30/2003   | 2                           | 0                             | 4                             | 0.44                      | 0.07              | 0             | 0.85                        | 0.07                                  |
| 6/30/2003   | 6.3                         | 0                             | 0                             | 0.76                      | 0                 | 0             | 0.88                        | 0                                     |
| 7/24/2003   | 2419.2                      | 7                             | 7                             | 0.22                      | 0                 | 0             | 0.55                        | 0                                     |
| 8/19/2003   | 1203.3                      | 0                             | 50                            | 0.47                      | 0                 | 0             | 0.77                        | 0                                     |
| 9/30/2003   | 15.5                        | 0                             | 0                             | 0.44                      | 0                 | 0             | 0.87                        | 0                                     |
| 10/21/2003  | 0                           | 0                             | 0                             | 0.27                      | 0                 | 0             | 0.79                        | 0                                     |
| 11/18/2003  | 4                           | 8                             | 30                            | 0.21                      | 0.03              | 0             | 0.78                        | 0.03                                  |
| 12/16/2003  | 571.7                       | 0                             | 0                             | 0.3                       | 0                 | 1             | 0                           | 0.3                                   |
| 1/20/2004   | 4.1                         | 0                             | 0                             | 0.48                      | 0.02              | 0.94          | 0.04                        | 0.52                                  |
| 2/17/2004   | 7.3                         | 0                             | 0                             | 0.61                      | 0.08              | 0             | 1.3                         | 0.08                                  |
| 3/16/2004   | 4.1                         | 0                             | 0                             | 0.23                      | 0.03              | 0             | 0.84                        | 0.7                                   |

D R A F T C O M P O S I T E D A T A

**Malibu Civic Center Area  
Well MW-5**

| Parameter   | Enterococcus<br>Unit<br>MCL | Fecal Coliform<br>(MPN/100ml) | Total Coliform<br>(MPN/100ml) | Ammonia<br>(mg/l) | Nitrate<br>(mg/l) | TKN<br>(mg/l) | Nitrate + Nitrite<br>(mg/l) | Ammonia +<br>Nitrate + Nitrite<br>(mg/l) |
|-------------|-----------------------------|-------------------------------|-------------------------------|-------------------|-------------------|---------------|-----------------------------|--|
| Sample Date |                             |                               |                               |                   |                   |               |                             |  |
| 4/24/2003   | 0                           | 0                             | 0                             | 0.1               | 3.52              | 0             | 3                           | 3.52                                     |
| 5/30/2003   | 6                           | 0                             | 4                             | 0.07              | 15.3              | 0             | 0.13                        | 15.3                                     |
| 6/30/2003   | 2                           | 0                             | 17                            | 0.03              | 7.49              | 0             | 0.05                        | 7.49                                     |
| 7/24/2003   | 0                           | 0                             | 4                             | 0.39              | 14.9              | 0             | 0.39                        | 14.9                                     |
| 8/19/2003   | 2                           | 0                             | 0                             | 0.02              | 11.7              | 0             | 1.6                         | 11.7                                     |
| 9/30/2003   | 5.2                         | 0                             | 0                             | 0                 | 6.13              | 0             | 0.16                        | 6.13                                     |
| 10/21/2003  | 1553.1                      | 0                             | 0                             | 0                 | 6.46              | 0             | 2                           | 6.46                                     |
| 11/18/2003  | 4.1                         | 8                             | 23                            | 0                 | 2.39              | 0             | 0.16                        | 2.39                                     |
| 12/16/2003  | 0                           | 0                             | 2                             | 0                 | 28.5              | 0.39          | 0.19                        | 28.89                                    |
| 1/20/2004   | 0                           | 0                             | 0                             | 0                 | 1.31              | 0.02          | 0                           | 1.33                                     |
| 2/17/2004   | 0                           | 0                             | 0                             | 0.12              | 1.46              | 0             | 0.28                        | 1.46                                     |
| 3/16/2004   | 0                           | 0                             | 0                             | 0.02              | 2.57              | 0             | 0.29                        | 0.7                                      |
|             |                             |                               |                               |                   |                   |               |                             | 2.59                                     |

D R A F T C O M P O S I T E W E D N E S D A Y

**Malibu Civic Center Area  
Well P-1**

| Parameter   | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | Nitrite | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|-------------|--------------|----------------|----------------|---------|---------|---------|--------|-------------------|-----------------------------|
| Unit        | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l)  | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL         | 0            | 0              | 0              |         |         |         |        | 10                | 10                          |
| Sample Date |              |                |                |         |         |         |        |                   |                             |
| 4/25/2003   | 0            | 0              | 0              | 0.08    | 6.58    | 0       | 0.15   | 6.58              | 6.66                        |
| 5/29/2003   | 19.5         | 0              | 2              | 0.21    | 2.85    | 0       | 0      | 2.85              | 3.06                        |
| 6/26/2003   | 0            | 0              | 4              | 0.08    | 5.49    | 0       | 0.85   | 5.49              | 5.57                        |
| 7/21/2003   | 0            | 0              | 2              | 0.41    | 3.55    | 0       | 0.22   | 3.55              | 3.96                        |
| 8/18/2003   | 0            | 0              | 4              | 0.13    | 7.16    | 0       | 0.18   | 7.16              | 7.29                        |
| 9/29/2003   | 9.8          | 0              | 0              | 0       | 2.82    | 0       | 0.42   | 2.82              | 2.82                        |
| 10/20/2003  | 1            | 0              | 2              | 0       | 4.07    | 0       | 0.1    | 4.07              | 4.07                        |
| 11/18/2003  | 1            | 0              | 14             | 0.08    | 4.99    | 0       | 0.74   | 4.99              | 5.07                        |
| 12/15/2003  | 1            | 0              | 0              | 0       | 2.89    | 0       | 0.18   | 2.89              | 2.89                        |
| 1/19/2004   | 0            | 0              | 4              | 0       | 4.58    | 0       | 0      | 4.58              | 4.58                        |
| 2/16/2004   | 0            | 0              | 2              | 0.25    | 3.53    | 0       | 0.61   | 3.53              | 3.78                        |
| 3/15/2004   | 0            | 0              | 0              | 0.04    | 3.75    | 0       | 0.11   | 0.7               | 3.79                        |

D R A F T C O M P R O V E R 9

**Malibu Civic Center Area  
Well P-7**

| Parameter   | Enterococcus<br>(MPN/100ml) | Fecal Coliform<br>(MPN/100ml) | Total Coliform<br>(MPN/100ml) | Ammonia<br>(mg/l) | Nitrate<br>(mg/l) | TKN<br>(mg/l) | Nitrate +<br>Nitrite<br>(mg/l) | Ammonia +<br>Nitrate + Nitrite<br>(mg/l) |
|-------------|-----------------------------|-------------------------------|-------------------------------|-------------------|-------------------|---------------|--------------------------------|--|
| Unit        |                             |                               |                               |                   |                   |               |                                |  |
| MCL         | 0                           | 0                             |                               |                   |                   |               | 10                             | 10                                       |
| Sample Date |                             |                               |                               |                   |                   |               |                                |  |
| 4/25/2003   | 3.1                         | 0                             | 23                            | 0                 | 0.68              | 0             | 0.26                           | 0.68                                     |
| 5/28/2003   | 66.4                        | 2                             | 240                           | 0.5               | 0.19              | 0             | 0.29                           | 0.19                                     |
| 6/27/2003   | 0                           | 0                             | 0                             | 0.2               | 0.11              | 0             | 0.37                           | 0.11                                     |
| 7/24/2003   | 65.3                        | 0                             | 4                             | 0.23              | 0                 | 0             | 65.3                           | 0  |
| 8/19/2003   | 547.5                       | 0                             | 0                             | 0.08              | 0                 | 0             | 0.27                           | 0  |
| 9/30/2003   | 721.5                       | 9                             | 9                             | 0                 | 0                 | 0             | 0.44                           | 0  |
| 10/21/2003  | 125.4                       | 23                            | 1600                          | 0                 | 0.07              | 0             | 0.65                           | 0.07                                     |
| 11/18/2003  | 55.9                        | 50                            | 900                           | 0.04              | 0.09              | 0.02          | 0.35                           | 0.11                                     |
| 12/16/2003  | 3                           | 8                             | 23                            | 0                 | 0.57              | 0.03          | 0.23                           | 0.6                                      |
| 1/20/2004   | 12                          | 12                            | 80                            | 0.04              | 0.5               | 0.04          | 0.52                           | 0.54                                     |
| 2/17/2004   | 22.5                        | 2                             | 23                            | 0.02              | 0.54              | 0.05          | 0.24                           | 0.59                                     |
| 3/16/2004   | 7.4                         | 0                             | 30                            | 0.02              | 0.57              | 0             | 0.18                           | 0.7                                      |
|             |                             |                               |                               |                   |                   |               |                                | 0.59                                     |

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**Malibu Civic Center Area  
Well P-9**

| Parameter   | Enterococcus<br>Unit<br>Unit | Fecal Coliform<br>(MPN/100ml) | Total Coliform<br>(MPN/100ml) | Ammonia<br>(mg/l) | Nitrate<br>(mg/l) | TKN<br>(mg/l) | Nitrate +<br>Nitrite<br>(mg/l) | Ammonia +<br>Nitrate + Nitrite<br>(mg/l) |
|-------------|------------------------------|-------------------------------|-------------------------------|-------------------|-------------------|---------------|--------------------------------|--|
| MCL         |                              | 0                             | 0                             |                   |                   |               | 10                             | 10                                       |
| Sample Date |                              |                               |                               |                   |                   |               |                                |  |
| 4/23/2003   | 4.1                          | 0                             | 0                             | 0.88              | 1.51              | 0             | 1.6                            | 1.51                                     |
| 5/29/2003   | 21.3                         | 0                             | 0                             | 0.31              | 1.83              | 0             | 1.3                            | 1.83                                     |
| 6/26/2003   | 4.1                          | 0                             | 0                             | 3.35              | 0.14              | 0             | 3.4                            | 0.14                                     |
| 7/21/2003   | 2                            | 0                             | 2                             | 3                 | 0.71              | 0             | 3.2                            | 0.71                                     |
| 8/18/2003   | 17.1                         | 0                             | 4                             | 1.69              | 0.42              | 0             | 3.4                            | 0.42                                     |
| 9/29/2003   | 44.1                         | 0                             | 4                             | 1.56              | 0.42              | 0             | 0.42                           | 1.98                                     |
| 10/20/2003  | 13.2                         | 0                             | 2                             | 1.49              | 0.66              | 0             | 1.5                            | 0.66                                     |
| 11/17/2003  | 1                            | 0                             | 6                             | 2.11              | 0.12              | 0             | 5                              | 0.12                                     |
| 12/16/2003  | 8.5                          | 0                             | 0                             | 1.17              | 1.11              | 0             | 2                              | 1.11                                     |
| 1/20/2004   | 13.4                         | 4                             | 8                             | 0.51              | 2.13              | 0.1           | 1                              | 2.23                                     |
| 2/17/2004   | 20.9                         | 0                             | 0                             | 3.09              | 0.15              | 0             | 3.9                            | 0.15                                     |
| 3/16/2004   | 45.7                         | 0                             | 110                           | 0.03              | 5.12              | 0.05          | 3.6                            | 0.7                                      |

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**Malibu Civic Center Area  
Well SMBRP-1**

| Parameter          | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrite | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|--------------------|--------------|----------------|----------------|---------|---------|--------|-------------------|-----------------------------|
| Unit               | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL                | 0            | 0              |                |         |         |        | 10                | 10                          |
| <b>Sample Date</b> |              |                |                |         |         |        |                   |                             |
| 4/23/2003          | 0            | 7              | 50             | 0.78    | 0.15    | 0      | 2.7               | 0.15                        |
| 5/30/2003          | 11           | 0              | 2              | 0.52    | 0.49    | 0      | 2                 | 0.49                        |
| 6/27/2003          | 0            | 0              | 0              | 2.52    | 0       | 0      | 4.9               | 0                           |
| 7/24/2003          | 2419.2       | 0              | 50             | 1.72    | 0.14    | 0      | 2.5               | 0.14                        |
|                    |              |                |                |         |         |        | 1.86              |                             |

D R A F T C O M P O S I T E D A T A

**Malibu Civic Center Area  
Well SMBRP-2**

| Parameter   | Enterococcus<br>Unit<br>(MPN/100ml) | Fecal Coliform<br>(MPN/100ml) | Total Coliform<br>(MPN/100ml) | Ammonia<br>(mg/l) | Nitrate<br>(mg/l) | TKN<br>(mg/l) | Nitrite + Nitrite<br>(mg/l) | Ammonia +<br>Nitrate + Nitrite<br>(mg/l) |
|-------------|-------------------------------------|-------------------------------|-------------------------------|-------------------|-------------------|---------------|-----------------------------|--|
| MCL         | 0                                   | 0                             |                               |                   |                   |               | 10                          | 10                                       |
| Sample Date |                                     |                               |                               |                   |                   |               |                             |  |
| 4/25/2003   | 7200                                | 3000                          | 3000                          | 2.72              | 0                 | 0             | 29                          | 0  |
| 5/30/2003   | 2419.2                              | 70                            | 300                           | 0.72              | 0.05              | 0             | 14                          | 0.05                                     |
| 6/30/2003   | 2419.2                              | 120                           | 250                           | 1.29              | 0.11              | 0             | 20                          | 0.11                                     |
| 7/24/2003   | 2419.2                              | 4                             | 500                           | 0.56              | 0                 | 0             | 6                           | 0  |
| 8/20/2003   | 0                                   | 0                             | 4                             | 0.57              | 0                 | 0             | 10                          | 0  |
| 9/30/2003   | 2419.2                              | 0                             | 9                             | 0                 | 0                 | 0             | 1.1                         | 0  |
| 10/21/2003  | 2419.2                              | 0                             | 0                             | 0                 | 0                 | 0             | 1.3                         | 0  |
| 11/18/2003  | 1119.8                              | 0                             | 23                            | 0.07              | 0.14              | 0             | 0.9                         | 0.14                                     |
| 12/16/2003  | 1413.6                              | 0                             | 2                             | 0                 | 0.18              | 0             | 0.93                        | 0.18                                     |
| 1/20/2004   | 1413.6                              | 0                             | 0                             | 0.25              | 0.06              | 0.02          | 0.81                        | 0.08                                     |
| 2/17/2004   | 435.2                               | 0                             | 0                             | 0.33              | 0.09              | 0             | 0.64                        | 0.09                                     |
| 3/16/2004   | 25.7                                | 0                             | 30                            | 0.17              | 0.07              | 0             | 0.58                        | 0.7                                      |
|             |                                     |                               |                               |                   |                   |               |                             | 0.24                                     |

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**Malibu Civic Center Area**  
**Well SMBRP-3c**

| Parameter   | Enterococcus<br>Unit<br>(MPN/100ml) | Fecal Coliform<br>(MPN/100ml) | Total Coliform<br>(MPN/100ml) | Ammonia<br>(mg/l) | Nitrate<br>(mg/l) | TKN<br>(mg/l) | Nitrate + Nitrite<br>(mg/l) | Ammonia +<br>Nitrate + Nitrite<br>(mg/l) |
|-------------|-------------------------------------|-------------------------------|-------------------------------|-------------------|-------------------|---------------|-----------------------------|--|
| MCL         | 0                                   | 0                             |                               |                   |                   |               | 10                          | 10                                       |
| Sample Date |                                     |                               |                               |                   |                   |               |                             |  |
| 4/25/2003   | 30.8                                | 0                             | 0                             | 0                 | 2.82              | 0             | 0.1                         | 2.82                                     |
| 5/30/2003   | 2419.2                              | 0                             | 0                             | 0.2               | 2.78              | 0             | 0.37                        | 2.78                                     |
| 6/27/2003   | 0                                   | 0                             | 0                             | 0.22              | 0.97              | 0             | 0.4                         | 0.97                                     |
| 7/24/2003   | 4.1                                 | 0                             | 0                             | 0.24              | 0                 | 0             | 0.41                        | 0  |
| 8/19/2003   | 7.4                                 | 0                             | 0                             | 0.14              | 0.52              | 0.25          | 7.4                         | 0.77                                     |
| 9/30/2003   | 1                                   | 0                             | 0                             | 0                 | 0.37              | 0             | 0.44                        | 0.37                                     |
| 10/21/2003  | 2                                   | 2                             | 1600                          | 0                 | 0.37              | 0             | 1.4                         | 0.37                                     |
| 11/18/2003  | 1                                   | 0                             | 17                            | 0                 | 0.48              | 0             | 0.16                        | 0.48                                     |
| 12/16/2003  | 1                                   | 0                             | 0                             | 0                 | 1                 | 0             | 0.2                         | 1  |
| 1/20/2004   | 1                                   | 2                             | 4                             | 0.03              | 2.31              | 0.02          | 0                           | 2.33                                     |
| 2/17/2004   | 1                                   | 0                             | 0                             | 0.16              | 3.79              | 0             | 0.38                        | 3.79                                     |
| 3/16/2004   | 0                                   | 0                             | 0                             | 0.12              | 4.27              | 0             | 0.18                        | 0.7                                      |
|             |                                     |                               |                               |                   |                   |               |                             | 4.39                                     |

D R A F T C O 2 1 0 0 9

**Malibu Civic Center Area**  
**Well SMIBRP-6**

| Parameter   | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | Nitrite | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|-------------|--------------|----------------|----------------|---------|---------|---------|--------|-------------------|-----------------------------|
| Unit        | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l)  | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL         | 0            | 0              |                |         |         |         |        | 10                | 10                          |
| Sample Date |              |                |                |         |         |         |        |                   |                             |
| 4/25/2003   | 0            | 0              | 13             | 0       | 2.02    | 0       | 0.36   | 2.02              | 2.02                        |
| 5/30/2003   | 16.5         | 11             | 26             | 0.16    | 0.33    | 0       | 1.2    | 0.33              | 0.49                        |
| 6/27/2003   | 0            | 2              | 2              | 0.16    | 0.21    | 0       | 1.1    | 0.21              | 0.37                        |
| 7/24/2003   | 1            | 0              | 2              | 0.36    | 0       | 0       | 0.44   | 0                 | 0.36                        |
| 8/19/2003   | 0            | 0              | 0              | 0.05    | 0.22    | 0       | 0.14   | 0.22              | 0.27                        |
| 9/30/2003   | 0            | 4              | 110            | 0       | 0.17    | 0       | 0.44   | 0.17              | 0.17                        |
| 10/21/2003  | 0            | 0              | 900            | 0       | 0.27    | 0       | 1.3    | 0.27              | 0.27                        |
| 11/18/2003  | 2            | 33             | 34             | 0       | 0.93    | 0       | 0.2    | 0.93              | 0.93                        |
| 12/16/2003  | 0            | 0              | 0              | 0       | 1.55    | 0       | 0.35   | 1.55              | 1.55                        |
| 1/20/2004   | 7.4          | 0              | 2              | 0       | 4.43    | 0.03    | 0      | 4.46              | 4.46                        |
| 2/17/2004   | 5.2          | 0              | 0              | 0.05    | 6.88    | 0       | 0.27   | 6.88              | 6.93                        |
| 3/16/2004   | 10.7         | 11             | 110            | 0.11    | 2.74    | 0       | 0.3    | 0.7               | 2.85                        |

D R A F T C O 2 1 0 0 9

**Malibu Civic Center Area  
Well SMBRP-7b**

| Parameter   | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|-------------|--------------|----------------|----------------|---------|---------|--------|-------------------|-----------------------------|
| Unit        | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL         | 0            | 0              |                |         |         |        | 10                | 10                          |
| Sample Date |              |                |                |         |         |        |                   |                             |
| 4/23/2003   | 0            | 0              | 0              | 0.69    | 0.16    | 0      | 1.4               | 0.16                        |
| 5/29/2003   | 0            | 0              | 2.29           | 0.56    | 0       | 0.39   | 0.56              | 0.85                        |
| 6/30/2003   | 0            | 0              | 0.74           | 0       | 0       | 1.7    | 0                 | 2.85                        |
| 7/21/2003   | 29.3         | 0              | 0.53           | 0.06    | 0       | 1      | 0.06              | 0.74                        |
| 8/18/2003   | 2419.2       | 0              | 300            | 0.33    | 0       | 0.91   | 0                 | 0.59                        |
| 9/30/2003   | 4.1          | 2              | 4              | 0.35    | 0.1     | 0      | 0.6               | 0.33                        |
| 10/21/2003  | 0            | 0              | 0              | 0       | 0       | 0.43   | 0                 | 0.45                        |
| 11/18/2003  | 19.6         | 4              | 4              | 0.18    | 0       | 0      | 0.79              | 0                           |
| 12/15/2003  | 0            | 0              | 0              | 0.17    | 0.03    | 0      | 0.59              | 0.18                        |
| 1/19/2004   | 0            | 6              | 350            | 0.1     | 0.07    | 0      | 0.13              | 0.2                         |
| 2/16/2004   | 0            | 0              | 0              | 0.42    | 0.03    | 0      | 0.49              | 0.17                        |
| 3/15/2004   | 691          | 0              | 20             | 0.03    | 0.02    | 0      | 0.67              | 0.45                        |
|             |              |                |                |         |         |        | 0.7               | 0.05                        |

D R A F T C O M P O S I T E D A T A

**Malibu Civic Center Area  
Well SMBRP-8**

| Parameter   | Enterococcus<br>Unit<br>(MPN/100ml) | Fecal Coliform<br>(MPN/100ml) | Total Coliform<br>(MPN/100ml) | Ammonia<br>(mg/l) | Nitrate<br>(mg/l) | TKN<br>(mg/l) | Nitrate + Nitrite<br>(mg/l) | Ammonia +<br>Nitrate + Nitrite<br>(mg/l) |
|-------------|-------------------------------------|-------------------------------|-------------------------------|-------------------|-------------------|---------------|-----------------------------|--|
| MCL         | 0                                   | 0                             |                               |                   |                   |               | 10                          | 10                                       |
| Sample Date |                                     |                               |                               |                   |                   |               |                             |  |
| 4/25/2003   | 2                                   | 2                             | 8                             | 0                 | 46.3              | 0             | 0.33                        | 46.3                                     |
| 5/29/2003   | 2419.2                              | 2                             | 6                             | 0.22              | 55.6              | 0             | 0                           | 55.6                                     |
| 6/30/2003   | 1                                   | 0                             | 0                             | 0.26              | 11.1              | 0             | 0.28                        | 11.1                                     |
| 7/21/2003   | 148.5                               | 0                             | 11                            | 1.44              | 61.5              | 0             | 1.9                         | 61.5                                     |
| 8/20/2003   | 0                                   | 0                             | 14                            | 0                 | 63.8              | 0             | 0.86                        | 63.8                                     |
| 9/30/2003   | 3                                   | 2                             | 300                           | 0.04              | 43.1              | 0             | 0.45                        | 43.1                                     |
| 10/21/2003  | 2419.2                              | 0                             | 0                             | 0                 | 31.6              | 0             | 0.53                        | 31.6                                     |
| 11/18/2003  | 8.4                                 | 22                            | 23                            | 0                 | 48.1              | 0             | 0.9                         | 48.1                                     |
| 12/16/2003  | 2419.7                              | 0                             | 0                             | 0                 | 2.61              | 0             | 0.02                        | 2.61                                     |
| 1/20/2004   | 2419.2                              | 60                            | 170                           | 0                 | 48.4              | 0.04          | 0                           | 48.44                                    |
| 2/17/2004   | 5                                   | 0                             | 2                             | 0.09              | 48.6              | 0.02          | 0.18                        | 48.71                                    |
| 3/16/2004   | 10.5                                | 0                             | 0                             | 0.02              | 60.2              | 0             | 0.18                        | 60.22                                    |

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**Malibu Civic Center Area  
Well SMBRP-9**

| Parameter   | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|-------------|--------------|----------------|----------------|---------|---------|--------|-------------------|-----------------------------|
| Unit        | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL         | 0            | 0              | 0              |         |         |        | 10                | 10                          |
| Sample Date |              |                |                |         |         |        |                   |                             |
| 4/23/2003   | 0            | 0              | 0              | 0.01    | 3.03    | 0      | 1.1               | 3.03                        |
| 5/28/2003   | 4.1          | 0              | 4              | 0.47    | 32.1    | 0      | 0                 | 32.1                        |
| 6/26/2003   | 0            | 0              | 11             | 0.4     | 25.8    | 0      | 0.52              | 25.8                        |
| 7/21/2003   | 2419.2       | 240            | 1600           | 0.29    | 21.6    | 0      | 0.22              | 21.6                        |
| 8/18/2003   | 2419.2       | 0              | 500            | 0.02    | 18.7    | 0      | 0.29              | 18.7                        |
| 9/29/2003   | 6.3          | 0              | 7              | 0       | 13.2    | 0      | 0.16              | 13.2                        |
| 10/20/2003  | 124.5        | 0              | 0              | 0       | 31.2    | 0      | 0.1               | 31.2                        |
| 11/17/2003  | 1            | 17             | 500            | 0.15    | 22.3    | 0      | 0.48              | 22.3                        |
| 12/15/2003  | 0            | 0              | 0              | 0       | 21.9    | 0      | 0.48              | 21.9                        |
| 1/19/2004   | 14.2         | 0              | 0              | 0       | 30.8    | 0      | 0                 | 30.8                        |
| 2/16/2004   | 0            | 0              | 0              | 0.09    | 34.7    | 0.02   | 0.11              | 34.72                       |
| 3/16/2004   | 10.7         | 0              | 0              | 0.02    | 38.5    | 0      | 0.24              | 0.7                         |
|             |              |                |                |         |         |        |                   | 38.52                       |

D R A F T C O 0 0 2 1 2 1 0 0 9

**Malibu Civic Center Area  
Well SMBRP-10c**

| Parameter   | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|-------------|--------------|----------------|----------------|---------|---------|--------|-------------------|-----------------------------|
| Unit        | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL         | 0            | 0              | 0              |         |         |        | 10                | 10                          |
| Sample Date |              |                |                |         |         |        |                   |                             |
| 4/24/2003   | 0            | 0              | 0              | 0.09    | 3.41    | 0      | 0.35              | 3.41                        |
| 5/29/2003   | 157.8        | 0              | 2              | 0.47    | 1.66    | 0      | 1.1               | 1.66                        |
| 6/26/2003   | 0            | 2              | 4              | 0.04    | 1.27    | 0      | 1.3               | 1.27                        |
| 7/21/2003   | 770.1        | 2              | 130            | 0.44    | 0.93    | 0      | 2.3               | 0.93                        |
| 8/18/2003   | 1986.3       | 0              | 0              | 0.11    | 0.65    | 0      | 1                 | 0.65                        |
| 9/29/2003   | 33.7         | 0              | 4              | 0       | 0.32    | 0      | 2.7               | 0.32                        |
| 10/20/2003  | 125.7        | 2              | 2              | 0       | 0.67    | 0      | 2.6               | 0.67                        |
| 11/17/2003  | 43.5         | 0              | 0              | 0.06    | 0.7     | 0      | 1.4               | 0.7                         |
| 12/15/2003  | 5.2          | 0              | 2              | 0       | 0.59    | 0      | 1.5               | 0.59                        |
| 1/19/2004   | 2            | 0              | 0              | 0       | 1.43    | 0      | 0.24              | 1.43                        |
| 2/16/2004   | 1            | 0              | 0              | 0.26    | 1.31    | 0      | 1.3               | 1.31                        |
| 3/15/2004   | 5.1          | 0              | 0              | 0.05    | 1.79    | 0.02   | 1.3               | 1.81                        |
|             |              |                |                |         |         |        |                   | 1.86                        |

D R A F T C O 2 1 0 0 9

**Malibu Civic Center Area**  
**Well SMBRP-11**

| Parameter   | Enterococcus<br>Unit<br>MCL | Fecal Coliform<br>(MPN/100ml) | Total Coliform<br>(MPN/100ml) | Ammonia<br>(mg/l) | Nitrate<br>(mg/l) | TKN<br>(mg/l) | Nitrate + Nitrite<br>(mg/l) | Ammonia +<br>Nitrate + Nitrite<br>(mg/l) |
|-------------|-----------------------------|-------------------------------|-------------------------------|-------------------|-------------------|---------------|-----------------------------|--|
| Sample Date |                             |                               |                               |                   |                   |               |                             |  |
| 4/25/2003   | 0                           | 0                             | 0                             | 0.04              | 5.66              | 0             | 0.85                        | 5.66                                     |
| 5/28/2003   | 2419.2                      | 0                             | 4                             | 0.3               | 3.85              | 0             | 0.51                        | 3.85                                     |
| 6/26/2003   | 0                           | 0                             | 2                             | 0.03              | 2.48              | 0             | 0.49                        | 2.48                                     |
| 7/21/2003   | 1203.3                      | 2                             | 110                           | 0.37              | 1.48              | 0             | 0.52                        | 1.48                                     |
| 8/18/2003   | 2419.2                      | 2                             | 240                           | 0.17              | 1.35              | 0             | 0.98                        | 1.35                                     |
| 9/29/2003   | 28.1                        | 4                             | 7                             | 0                 | 0.55              | 0             | 0.8                         | 0.55                                     |
| 10/20/2003  | 3                           | 0                             | 0                             | 0                 | 0.45              | 0             | 0.16                        | 0.45                                     |
| 11/18/2003  | 0                           | 13                            | 13                            | 0.11              | 0.09              | 0             | 0.38                        | 0.09                                     |
| 12/16/2003  | 7                           | 0                             | 0                             | 0                 | 0.26              | 0             | 0.29                        | 0.26                                     |
| 1/20/2004   | 15.3                        | 0                             | 0                             | 0                 | 1.54              | 0.03          | 0.2                         | 1.57                                     |
| 2/17/2004   | 5                           | 0                             | 0                             | 0.11              | 0.25              | 0             | 0.28                        | 0.25                                     |
| 3/15/2004   | 2                           | 0                             | 0                             | 0.04              | 3.43              | 0             | 0.11                        | 3.43                                     |
|             |                             |                               |                               |                   |                   |               |                             | 3.47                                     |

D R A F T C O 2 1 0 0 9

**Malibu Civic Center Area**  
**Well SMBRP-12**

| Parameter   | Enterococcus<br>Unit<br>(MPN/100ml) | Fecal Coliform<br>(MPN/100ml) | Total Coliform<br>(MPN/100ml) | Ammonia<br>(mg/l) | Nitrate<br>(mg/l) | TKN<br>(mg/l) | Nitrate + Nitrite<br>(mg/l) | Ammonia +<br>Nitrate + Nitrite<br>(mg/l) |
|-------------|-------------------------------------|-------------------------------|-------------------------------|-------------------|-------------------|---------------|-----------------------------|--|
| MCL         | 0                                   | 0                             |                               |                   |                   |               | 10                          | 10                                       |
| Sample Date |                                     |                               |                               |                   |                   |               |                             |  |
| 4/25/2003   | 2                                   | 2                             | 50                            | 5.14              | 0                 | 0             | 13                          | 0  |
| 5/28/2003   | 0                                   | 4                             | 4                             | 9.29              | 0                 | 0             | 12                          | 0  |
| 6/27/2003   | 0                                   | 0                             | 0                             | 10.2              | 0                 | 0             | 12                          | 0  |
| 7/21/2003   | 0                                   | 0                             | 0                             | 8.6               | 0.06              | 0             | 11                          | 0.06                                     |
| 8/18/2003   | 1                                   | 0                             | 0                             | 6.45              | 0                 | 0             | 12                          | 0  |
| 9/29/2003   | 0                                   | 0                             | 0                             | 7.26              | 0                 | 0             | 12                          | 0  |
| 10/20/2003  | 0                                   | 0                             | 0                             | 6.29              | 0                 | 0             | 6.5                         | 0  |
| 11/17/2003  | 0                                   | 0                             | 0                             | 3.66              | 0.02              | 0             | 8.7                         | 0.02                                     |
| 12/15/2003  | 1                                   | 2                             | 4                             | 7.19              | 0.02              | 0             | 9.6                         | 0.02                                     |
| 1/19/2004   | 0                                   | 2                             | 2                             | 7.82              | 0.07              | 0             | 22                          | 0.07                                     |
| 2/16/2004   | 1                                   | 0                             | 0                             | 0                 | 0.03              | 0             | 12                          | 0.03                                     |
| 3/15/2004   | 0                                   | 0                             | 0                             | 1.01              | 0                 | 0             | 12                          | 0  |

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**Malibu Civic Center Area**  
**Well SMBRP-13**

| Parameter   | Enterococcus<br>(MPN/100ml) | Fecal Coliform<br>(MPN/100ml) | Total Coliform<br>(MPN/100ml) | Ammonia<br>(mg/l) | Nitrate<br>(mg/l) | Nitrite<br>(mg/l) | TKN<br>(mg/l) | Nitrate + Nitrite<br>(mg/l) | Ammonia +<br>Nitrate + Nitrite<br>(mg/l) |
|-------------|-----------------------------|-------------------------------|-------------------------------|-------------------|-------------------|-------------------|---------------|-----------------------------|--|
| MCL         | 0                           | 0                             |                               |                   |                   |                   |               | 10                          | 10                                       |
| Sample Date |                             |                               |                               |                   |                   |                   |               |                             |  |
| 4/22/2003   | 34.1                        | 0                             | 0                             | 0.16              | 1                 | 0                 | 0.59          | 1                           | 1.16                                     |
| 5/28/2003   | 54.8                        | 0                             | 2                             | 6.03              | 0.49              | 0                 | 0.28          | 0.49                        | 6.52                                     |
| 6/27/2003   | 5                           | 0                             | 0                             | 0.15              | 0.3               | 0                 | 0.35          | 0.3                         | 0.45                                     |
| 7/21/2003   | 0                           | 0                             | 0                             | 0.38              | 0.23              | 0                 | 0.4           | 0.23                        | 0.61                                     |
| 8/18/2003   | 2                           | 0                             | 8                             | 0.09              | 0.09              | 0                 | 0.34          | 0.09                        | 0.18                                     |
| 9/29/2003   | 5.1                         | 0                             | 0                             | 0.03              | 0.06              | 0                 | 0.62          | 0.06                        | 0.09                                     |
| 10/20/2003  | 2                           | 0                             | 0                             | 0                 | 0                 | 0                 | 0.15          | 0                           | 0  |
| 11/17/2003  | 2                           | 0                             | 2                             | 0.06              | 0.03              | 0                 | 0.27          | 0.03                        | 0.09                                     |
| 12/15/2003  | 19.9                        | 0                             | 0                             | 0.14              | 0.02              | 0                 | 1.2           | 0.02                        | 0.16                                     |
| 1/19/2004   | 2                           | 0                             | 2                             | 0                 | 0.24              | 0                 | 0             | 0.24                        | 0.24                                     |
| 2/16/2004   | 26                          | 2                             | 2                             | 0.05              | 0.42              | 0                 | 0.4           | 0.42                        | 0.47                                     |
| 3/15/2004   | 7.4                         | 0                             | 2                             | 0.02              | 0.41              | 0                 | 1.2           | 0.41                        | 0.43                                     |

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**Malibu Civic Center Area  
Well SMBRP-14**

| Parameter   | Enterococcus<br>(MPN/100ml) | Fecal Coliform<br>(MPN/100ml) | Total Coliform<br>(MPN/100ml) | Ammonia<br>(mg/l) | Nitrate<br>(mg/l) | TKN<br>(mg/l) | Nitrate + Nitrite<br>(mg/l) | Ammonia +<br>Nitrate + Nitrite<br>(mg/l) |
|-------------|-----------------------------|-------------------------------|-------------------------------|-------------------|-------------------|---------------|-----------------------------|--|
| Unit        |                             |                               |                               |                   |                   |               |                             |  |
| MCL         |                             | 0                             |                               |                   |                   |               | 10                          | 10                                       |
| Sample Date |                             |                               |                               |                   |                   |               |                             |  |
| 4/22/2003   | 21.1                        | 17000                         | 17000                         | 17.4              | 0                 | 0             | 25                          | 0  |
| 5/28/2003   | 91.4                        | 1600                          | 1600                          | 0.26              | 0                 | 0             | 15                          | 0  |
| 6/27/2003   | 0                           | 1600                          | 1600                          | 13.1              | 0                 | 0             | 16                          | 0  |
| 7/21/2003   | 2419.2                      | 900                           | 1600                          | 23.8              | 0.18              | 0             | 26                          | 0.18                                     |
| 8/18/2003   | 16.6                        | 220                           | 1600                          | 8.23              | 0                 | 0             | 28                          | 0  |
| 9/29/2003   | 8.4                         | 1600                          | 1600                          | 21.1              | 0.07              | 0             | 26                          | 0.07                                     |
| 10/20/2003  | 1                           | 300                           | 1600                          | 20.4              | 0                 | 0             | 100                         | 0  |
| 11/17/2003  | 5.2                         | 500                           | 1600                          | 15.5              | 0.03              | 0.02          | 33                          | 0.05                                     |
| 12/15/2003  | 2                           | 1600                          | 1600                          | 16.4              | 0.02              | 0             | 31                          | 0.02                                     |
| 1/19/2004   | 22.8                        | 1600                          | 1600                          | 16.2              | 0.05              | 0.02          | 36                          | 0.07                                     |
| 3/15/2004   | 6.3                         | 1600                          | 1600                          | 0.48              | 0.02              | 0             | 22                          | 0.02                                     |

D R A F T C O M P O S I T E D R A F T

**Malibu Civic Center Area  
Well SMBRP-15b**

| Parameter   | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|-------------|--------------|----------------|----------------|---------|---------|--------|-------------------|-----------------------------|
| Unit        | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL         | 0            | 0              | 0              | 0.14    | 0.91    | 0      | 1                 | 0.91                        |
| Sample Date |              |                |                |         |         |        |                   |                             |
| 4/25/2003   | 67.6         | 0              | 0              | 1.21    | 1.03    | 0      | 0.42              | 1.03                        |
| 5/28/2003   | 2419.2       | 0              | 21             | 0.05    | 0.94    | 0      | 0.28              | 0.94                        |
| 6/26/2003   | 3.1          | 0              | 0              | 0.37    | 0.94    | 0      | 0.24              | 0.94                        |
| 7/21/2003   | 0            | 0              | 0              | 0.05    | 1.31    | 0      | 0.18              | 1.31                        |
| 8/18/2003   | 2            | 0              | 2              | 0       | 1.15    | 0      | 0.4               | 1.15                        |
| 9/29/2003   | 0            | 2              | 2              | 0.18    | 1.64    | 0      | 0.48              | 1.64                        |
| 10/20/2003  | 0            | 0              | 0              | 0       | 1.56    | 0.03   | 0.4               | 1.59                        |
| 11/18/2003  | 0            | 0              | 0              | 0.02    | 1.7     | 0      | 0.66              | 1.7                         |
| 12/15/2003  | 0            | 0              | 0              | 0       | 1.46    | 0.05   | 0                 | 1.51                        |
| 1/20/2004   | 0            | 0              | 0              | 0.09    | 1.24    | 0.06   | 0.2               | 1.3                         |
| 2/17/2004   | 9.1          | 0              | 0              | 0.08    | 1.05    | 0.03   | 0.25              | 1.08                        |
| 3/16/2004   | 2            | 0              | 2              | 0.08    | 1.05    | 0.03   | 0.25              | 1.16                        |

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**Malibu Civic Center Area**  
**Well SMMBRP-16**

| Parameter   | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrite | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|-------------|--------------|----------------|----------------|---------|---------|--------|-------------------|-----------------------------|
| Unit        | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL         | 0            | 0              |                |         |         |        | 10                | 10                          |
| Sample Date |              |                |                |         |         |        |                   |                             |
| 4/23/2003   | 33.3         | 0              | 0              | 0.2     | 2.88    | 0.49   | 0.64              | 3.37                        |
| 5/28/2003   | 2419.2       | 0              | 4              | 6.08    | 4.02    | 0.31   | 1.2               | 4.33                        |
| 6/26/2003   | 29.2         | 0              | 0              | 0.83    | 2.38    | 0.19   | 1.6               | 2.57                        |
| 7/21/2003   | 5.2          | 0              | 0              | 0.52    | 4.5     | 0.24   | 0.56              | 4.74                        |
| 8/18/2003   | 2419.2       | 0              | 0              | 0.04    | 4.58    | 0      | 1.1               | 4.58                        |
| 9/29/2003   | 42.8         | 0              | 0              | 0       | 2.77    | 0.1    | 1.4               | 2.87                        |
| 10/20/2003  | 0            | 0              | 0              | 0       | 3.66    | 0      | 0.73              | 3.66                        |
| 11/17/2003  | 3.1          | 0              | 2              | 0.32    | 3       | 0.09   | 1.5               | 3.09                        |
| 12/15/2003  | 1            | 0              | 0              | 0.04    | 4.11    | 0      | 1.1               | 4.11                        |
| 1/19/2004   | 0            | 0              | 0              | 0.06    | 4.68    | 0.06   | 0.1               | 4.74                        |
| 2/16/2004   | 0            | 0              | 2              | 0.04    | 5       | 0.03   | 0.99              | 5.03                        |
| 3/15/2004   | 1            | 0              | 2              | 0.03    | 0       | 5.12   | 0.05              | 0.7                         |

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**Malibu Water Pollution Control Plant**  
**Well WPCP 1**

| Parameter   | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | Nitrite | Organic Nitrogen | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|-------------|--------------|----------------|----------------|---------|---------|---------|------------------|--------|-------------------|-----------------------------|
| Unit        | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l)  | (mg/l)           | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL         | 0            | 0              |                |         |         |         |                  |        | 10                | 10                          |
| Sample Date |              |                |                |         |         |         |                  |        |                   |                             |
| 4/19/1999   | /            | 0              | 0              | 0       | 10.3    | 0       | 0.108            | 0.108  | 10.3              | 10.3                        |
| 1/24/2000   | /            | 0              | 0              | 0       | 18.2    | 0       | 0                | 0      | 18.2              | 18.2                        |
| 5/16/2000   | /            | 0              | 0              | 0       | 18.7    | 0       | 0                | 0      | 18.7              | 18.7                        |
| 8/8/2000    | /            | 0              | 0              | 0.104   | 21      | 0       | 0.17             | 0.274  | 21                | 21.104                      |
| 11/14/2000  | /            | 0              | 0              | 0       | 15.3    | 0       | 0.168            | 0.168  | 15.3              | 15.3                        |
| 3/13/2001   | /            | 0              | 0              | 0       | 17.7    | 0       | 0                | 0      | 17.7              | 17.7                        |
| 5/8/2001    | /            | 0              | 0              | 0       | 21.4    | 0       | 0                | 0      | 21.4              | 21.4                        |
| 8/7/2001    | /            | 0              | 0              | 0       | 20.8    | 0       | 0.16             | 0.16   | 20.8              | 20.8                        |
| 10/2/2001   | /            | 0              | 0              | 0       | 16.6    | 0       | 0.12             | 0.12   | 16.6              | 16.6                        |
| 1/22/2002   | /            | 0              | 0              | 0.143   | 18.7    | 0       | 0                | 0.143  | 18.7              | 18.843                      |
| 4/23/2002   | /            | 0              | 0              | 0       | 21.9    | 0       | 0.234            | 0.234  | 21.9              | 21.9                        |
| 7/16/2002   | /            | 0              | 0              | 0.0809  | 25.7    | 0       | 0                | 0.081  | 25.7              | 25.7809                     |
| 10/29/2002  | /            | 0              | 0              | 1.09    | 23.9    | 0       | 4.89             | 5.98   | 23.9              | 24.99                       |
| 2/25/2003   | /            | 0              | 0              | 0       | 30.5    | 2.4     | 0.155            | 0.155  | 32.9              | 32.9                        |
| 5/13/2003   | /            | 0              | 0              | 0       | 22.4    | 0       | 0.15             | 0.15   | 22.4              | 22.4                        |
| 8/26/2003   | /            | 0              | 0              | 0       | 24.2    | 0.271   | 0.106            | 0.106  | 24.471            | 24.471                      |
| 10/21/2003  | /            | 0              | 0              | 0.11    | 31.4    | 0.353   | 0                | 0.11   | 31.753            | 31.863                      |
| 1/13/2004   | /            | 0              | 0              | 0       | 24.8    | 0.4     | 0.476            | 0.476  | 25.2              | 25.2                        |
| 4/13/2004   | /            | 0              | 0              | 0       | 37.9    | 0       | 0                | 0      | 37.9              | 37.9                        |
| 7/13/2004   | /            | 0              | 0              | 0.125   | 31.4    | 0.076   | 0                | 0.125  | 31.476            | 31.601                      |
| 10/5/2004   | /            | 0              | 0              | 0       | 23.26   | 0.18    | 0                | 0      | 23.44             | 23.44                       |
| 1/18/2005   | /            | 0              | 0              | 0       | 27      | 0       | 0.382            | 0.382  | 27                | 27                          |
| 4/12/2005   | /            | 0              | 0              | 0       | 21.6    | 0       | 0                | 0      | 21.6              | 21.6                        |
| 7/19/2005   | /            | 0              | 0              | 0       | 24.839  | 0.164   | 0                | 0      | 25.003            | 25.003                      |
| 10/24/2005  | /            | 0              | 0              | 0.108   | 18.5    | 0.849   | 0                | 0.108  | 19.349            | 19.457                      |
| 1/30/2006   | /            | 0              | 0              | 0       | 28.7    | 0       | 0.196            | 0.196  | 28.7              | 28.7                        |
| 5/8/2006    | /            | 0              | 0              | 0       | 23      | 0       | 0                | 0      | 23                | 23                          |
| 7/31/2006   | /            | 0              | 800            | 0       | 24.2    | 0.28    | 0                | 0      | 24.48             | 24.48                       |
| 1/9/2007    | /            | 0              | 0              | 0       | 24.2    | 0       | 0                | 0      | 24.2              | 24.2                        |
| 4/3/2007    | /            | 0              | 0              | 0       | 17.8    | 0.067   | 0.11             | 0.11   | 17.867            | 17.867                      |
| 7/3/2007    | /            | 0              | 0              | 0       | 7.43    | 0       | 0.71             | 0.71   | 7.43              | 7.43                        |
| 10/9/2007   | /            | 0              | 0              | 0       | 15.8    | 0       | 0                | 0      | 15.8              | 15.8                        |
| 1/8/2008    | /            | 0              | 0              | 0       | 16.6    | 0       | 0                | 0      | 16.6              | 16.6                        |
| 4/22/2008   | /            | 0              | 0              | 0       | 21.6    | 0       | 0                | 0      | 21.6              | 21.6                        |
| 7/15/2008   | /            | 0              | 0              | 0       | 22.5    | 0       | 0                | 0      | 22.5              | 22.5                        |
| 10/20/2008  | /            | 0              | 0              | 0.12    | 20.4    | 0       | 0.16             | 0.28   | 20.4              | 20.52                       |

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**Malibu Water Pollution Control Plant**  
**Well WPCP 2**

| Parameter   | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | Nitrite | Organic Nitrogen | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|-------------|--------------|----------------|----------------|---------|---------|---------|------------------|--------|-------------------|-----------------------------|
| Unit        | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l)  | (mg/l)           | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL         |              | 0              | 0              |         |         |         |                  |        | 10                | 10                          |
| Sample Date |              |                |                |         |         |         |                  |        |                   |                             |
| 4/19/1999   | /            | 0              | 0              | 0       | 26      | 0       | 0                | 0      | 26                | 26                          |
| 1/24/2000   | /            | 0              | 0              | 0       | 0.657   | 0       | 1.06             | 1.06   | 0.657             | 0.657                       |
| 5/16/2000   | /            | 0              | 0              | 0       | 1.71    | 0       | 0                | 0      | 1.71              | 1.71                        |
| 8/8/2000    | /            | 0              | 0              | 0.174   | 1.09    | 0       | 0.578            | 0.752  | 1.09              | 1.264                       |
| 11/14/2000  | /            | 0              | 0              | 0       | 1.79    | 0       | 0.12             | 0.12   | 1.79              | 1.79                        |
| 3/13/2001   | /            | 0              | 0              | 0       | 0.043   | 0       | 0.156            | 0.156  | 0.043             | 0.043                       |
| 5/8/2001    | /            | 0              | 0              | 0       | 4.4     | 0       | 0.4              | 0.4    | 4.4               | 4.4                         |
| 8/7/2001    | /            | 0              | 0              | 0       | 8.5     | 0       | 0                | 0      | 8.5               | 8.5                         |
| 10/2/2001   | /            | 0              | 0              | 0.152   | 7.9     | 0       | 0                | 0.152  | 7.9               | 8.052                       |
| 1/22/2002   | /            | 0              | 0              | 1.61    | 1.7     | 0       | 0.136            | 1.746  | 1.7               | 3.31                        |
| 4/23/2002   | /            | 0              | 0              | 3.3     | 0.4     | 0       | 0.28             | 3.58   | 0.4               | 3.7                         |
| 7/16/2002   | /            | 0              | 4              | 0.143   | 0       | 0       | 5.06             | 5.203  | 0                 | 0.143                       |
| 10/29/2002  | /            | 0              | 0              | 2.89    | 0.535   | 5.05    | 1.07             | 3.96   | 5.585             | 8.475                       |
| 2/25/2003   | /            | 0              | 0              | 0.198   | 4.99    | 0       | 0.116            | 0.314  | 4.99              | 5.188                       |
| 5/13/2003   | /            | 0              | 0              | 2.94    | 0.409   | 0.344   | 0                | 2.94   | 0.753             | 3.693                       |
| 8/26/2003   | /            | 0              | 0              | 0.165   | 5.78    | 0.405   | 0.339            | 0.504  | 6.185             | 6.35                        |
| 10/21/2003  | /            | 0              | 0              | 2.22    | 0.429   | 0.438   | 0                | 2.22   | 0.867             | 3.087                       |
| 1/13/2004   | /            | 0              | 0              | 0.343   | 3.5     | 0.7     | 0.481            | 0.824  | 4.2               | 4.543                       |
| 4/13/2004   | /            | 0              | 0              | 3.323   | 0       | 0       | 0                | 3.323  | 0                 | 3.323                       |
| 7/13/2004   | /            | 0              | 0              | 0       | 5.62    | 0       | 0                | 0      | 5.62              | 5.62                        |
| 12/6/2004   | /            | 0              | 0              | 0       | 6.842   | 0       | 0.15             | 0.15   | 6.842             | 6.842                       |
| 1/18/2005   | /            | 0              | 170            | 0       | 9.72    | 0       | 1.7              | 1.7    | 9.72              | 9.72                        |
| 4/12/2005   | /            | 0              | 34             | 0       | 6.95    | 0       | 0                | 0      | 6.95              | 6.95                        |
| 7/19/2005   | /            | 0              | 0              | 0       | 6.684   | 0       | 0                | 0      | 6.684             | 6.684                       |
| 10/24/2005  | /            | 0              | 0              | 0       | 6.98    | 0       | 0.415            | 0.415  | 6.98              | 6.98                        |
| 1/30/2006   | /            | 0              | 300            | 0       | 6.55    | 0       | 0.251            | 0.251  | 6.55              | 6.55                        |
| 5/8/2006    | /            | 0              | 0              | 0       | 6.48    | 0       | 0.24             | 0.24   | 6.48              | 6.48                        |
| 7/31/2006   | /            | 0              | 230            | 0       | 5.76    | 0       | 0.206            | 0.206  | 5.76              | 5.76                        |
| 1/9/2007    | /            | 0              | 0              | 0       | 5.2     | 0       | 0                | 0      | 5.2               | 5.2                         |
| 4/3/2007    | /            | 0              | 80             | 0       | 0.225   | 0       | 0.1              | 0.1    | 0.225             | 0.225                       |
| 7/3/2007    | /            | 0              | 0              | 0       | 4.6     | 0       | 0.56             | 0.56   | 4.6               | 4.6                         |
| 10/9/2007   | /            | 0              | 0              | 0       | 3.6     | 0       | 0.2              | 0.2    | 3.6               | 3.6                         |
| 1/8/2008    | /            | 0              | 0              | 0       | 3.39    | 0       | 0.24             | 0.24   | 3.39              | 3.39                        |
| 4/22/2008   | /            | 0              | 40             | 0       | 2.78    | 0       | 0.55             | 0.55   | 2.78              | 2.78                        |
| 7/15/2008   | /            | 0              | 0              | 0       | 3.77    | 0       | 0                | 0      | 3.77              | 3.77                        |
| 10/20/2008  | /            | 0              | 0              | 0       | 2.8     | 0       | 0.21             | 0.21   | 2.8               | 2.8                         |

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**Malibu Water Pollution Control Plant**  
**Well WPCP 3**

| Parameter   | Enteroco<br>ccus | Fecal<br>Coliform | Total<br>Coliform | Ammonia | Nitrate | Nitrite | Organic<br>Nitrogen | TKN    | Nitrate +<br>Nitrite | Ammonia<br>+ Nitrate<br>+ Nitrite |
|-------------|------------------|-------------------|-------------------|---------|---------|---------|---------------------|--------|----------------------|-----------------------------------|
| Unit        | (MPN/10<br>0ml)  | (MPN/10<br>0ml)   | (MPN/10<br>0ml)   | (mg/l)  | (mg/l)  | (mg/l)  | (mg/l)              | (mg/l) | (mg/l)               | (mg/l)                            |
| MCL         |                  | 0                 | 0                 |         |         |         |                     |        | 10                   | 10                                |
| Sample Date |                  |                   |                   |         |         |         |                     |        |                      |                                   |
| 4/19/1999   | /                | 0                 | 0                 | 0       | 16.8    | 0       | 0                   | 0      | 16.8                 | 16.8                              |
| 1/24/2000   | /                | 0                 | 0                 | 0       | 13.2    | 0       | 0                   | 0      | 13.2                 | 13.2                              |
| 5/16/2000   | /                | 0                 | 0                 | 0       | 15.78   | 0.23    | 0                   | 0      | 16.01                | 16.01                             |
| 8/8/2000    | /                | 0                 | 0                 | 0       | 16.1    | 0       | 0.238               | 0.238  | 16.1                 | 16.1                              |
| 11/14/2000  | /                | 0                 | 0                 | 0       | 19.7    | 0.47    | 0                   | 0      | 20.17                | 20.17                             |
| 3/14/2001   | /                | 0                 | 20                | 0       | 14.8    | 0       | 0.229               | 0.229  | 14.8                 | 14.8                              |
| 5/8/2001    | /                | 0                 | 0                 | 0       | 12.8    | 0       | 0                   | 0      | 12.8                 | 12.8                              |
| 8/7/2001    | /                | 0                 | 0                 | 0       | 12.1    | 0       | 0                   | 0      | 12.1                 | 12.1                              |
| 10/2/2001   | /                | 0                 | 0                 | 0       | 10.8    | 0       | 0.13                | 0.13   | 10.8                 | 10.8                              |
| 1/22/2002   | /                | 0                 | 0                 | 0.084   | 16.5    | 0       | 0                   | 0.084  | 16.5                 | 16.584                            |
| 4/23/2002   | /                | 0                 | 0                 | 0.107   | 15      | 0       | 0.163               | 0.27   | 15                   | 15.107                            |
| 7/16/2002   | /                | 0                 | 0                 | 0       | 14.5    | 0       | 0                   | 0      | 14.5                 | 14.5                              |
| 10/29/2002  | /                | 0                 | 0                 | 0.349   | 14.3    | 0       | 0                   | 0.349  | 14.3                 | 14.649                            |
| 2/25/2003   | /                | 0                 | 0                 | 0       | 80.7    | 0       | 0                   | 0      | 80.7                 | 80.7                              |
| 5/13/2003   | /                | 0                 | 0                 | 0       | 65.5    | 0       | 0                   | 0      | 65.5                 | 65.5                              |
| 8/26/2003   | /                | 0                 | 0                 | 0       | 22.5    | 0       | 0                   | 0      | 22.5                 | 22.5                              |
| 10/21/2003  | /                | 0                 | 0                 | 0       | 22.8    | 0.453   | 0.38                | 0.38   | 23.253               | 23.253                            |
| 1/13/2004   | /                | 0                 | 300               | 0       | 24.8    | 1.1     | 0.31                | 0.31   | 25.9                 | 25.9                              |
| 4/13/2004   | /                | 0                 | 0                 | 0       | 24.8    | 0       | 0.229               | 0.229  | 24.8                 | 24.8                              |
| 7/13/2004   | /                | 0                 | 0                 | 0       | 19.1    | 0       | 0                   | 0      | 19.1                 | 19.1                              |
| 12/6/2004   | /                | 0                 | 16,000            | 0       | 9.868   | 0.228   | 0.37                | 0.37   | 10.096               | 10.096                            |
| 1/18/2005   | /                | 0                 | 50,000            | 0       | 18.6    | 0       | 1.03                | 1.03   | 18.6                 | 18.6                              |
| 4/12/2005   | /                | 0                 | 900               | 0       | 14.8    | 0       | 0                   | 0      | 14.8                 | 14.8                              |
| 7/19/2005   | /                | 0                 | 300               | 0       | 32.52   | 0       | 0                   | 0      | 32.52                | 32.52                             |
| 10/24/2005  | /                | 0                 | 170               | 0       | 23.3    | 0       | 0.161               | 0.161  | 23.3                 | 23.3                              |
| 1/30/2006   | /                | 0                 | 0                 | 0       | 37.9    | 0       | 0                   | 0      | 37.9                 | 37.9                              |
| 5/8/2006    | /                | 0                 | 0                 | 0       | 43.6    | 0       | 0                   | 0      | 43.6                 | 43.6                              |
| 7/31/2006   | /                | 0                 | 0                 | 0       | 47.4    | 0       | 0.129               | 0.129  | 47.4                 | 47.4                              |
| 1/9/2007    | /                | 0                 | 0                 | 0       | 25.1    | 0       | 0                   | 0      | 25.1                 | 25.1                              |
| 4/3/2007    | /                | 0                 | 0                 | 0       | 31.6    | 0       | 0.1                 | 0.1    | 31.6                 | 31.6                              |
| 7/3/2007    | /                | 0                 | 0                 | 0       | 19.9    | 0       | 0.75                | 0.75   | 19.9                 | 19.9                              |
| 10/9/2007   | /                | 0                 | 0                 | 0       | 13.2    | 0       | 0                   | 0      | 13.2                 | 13.2                              |
| 1/8/2008    | /                | 0                 | 0                 | 0       | 11.3    | 0       | 0                   | 0      | 11.3                 | 11.3                              |
| 4/22/2008   | /                | 0                 | 0                 | 0       | 11.2    | 0       | 0                   | 0      | 11.2                 | 11.2                              |
| 7/15/2008   | /                | 0                 | 0                 | 0       | 19      | 0       | 0                   | 0      | 19                   | 19                                |
| 10/20/2008  | /                | 0                 | 0                 | 0       | 11.9    | 0       | 0.11                | 0.11   | 11.9                 | 11.9                              |

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**Malibu Water Pollution Control Plant**  
**Well WPCP 4**

| Parameter      | Enteroco<br>ccus | Fecal<br>Coliform | Total<br>Coliform | Ammonia | Nitrate | Nitrite | Organic<br>Nitrogen | TKN    | Nitrate +<br>Nitrite | Ammonia<br>+ Nitrate<br>+ Nitrite |
|----------------|------------------|-------------------|-------------------|---------|---------|---------|---------------------|--------|----------------------|-----------------------------------|
| Unit           | (MPN/10<br>0ml)  | (MPN/10<br>0ml)   | (MPN/10<br>0ml)   | (mg/l)  | (mg/l)  | (mg/l)  | (mg/l)              | (mg/l) | (mg/l)               | (mg/l)                            |
| MCL            |                  | 0                 | 0                 |         |         |         |                     |        | 10                   | 10                                |
| Sample<br>Date |                  |                   |                   |         |         |         |                     |        |                      |                                   |
| 8/7/2001       | /                | 0                 | 2                 | 0       | 23      | 0       | 0.18                | 0.18   | 23                   | 23                                |
| 10/2/2001      | /                | 0                 | 0                 | 0       | 16.7    | 0       | 0.27                | 0.27   | 16.7                 | 16.7                              |
| 5/16/2000      | /                | 0                 | 0                 | 0       | 18.7    | 0       | 0                   | 0      | 18.7                 | 18.7                              |
| 8/8/2000       | /                | 0                 | 0                 | 0.104   | 21      | 0       | 0.17                | 0.274  | 21                   | 21.104                            |
| 11/14/2000     | /                | 0                 | 0                 | 0       | 15.3    | 0       | 0.168               | 0.168  | 15.3                 | 15.3                              |
| 3/13/2001      | /                | 0                 | 0                 | 0       | 17.7    | 0       | 0                   | 0      | 17.7                 | 17.7                              |
| 5/8/2001       | /                | 0                 | 0                 | 0       | 21.4    | 0       | 0                   | 0      | 21.4                 | 21.4                              |
| 8/7/2001       | /                | 0                 | 0                 | 0       | 20.8    | 0       | 0.16                | 0.16   | 20.8                 | 20.8                              |
| 10/2/2001      | /                | 0                 | 0                 | 0       | 16.6    | 0       | 0.12                | 0.12   | 16.6                 | 16.6                              |
| 1/22/2002      | /                | 0                 | 17                | 0.092   | 1.31    | 0.02    | 0                   | 0.092  | 1.33                 | 1.422                             |
| 4/23/2002      | /                | 0                 | 700               | 0.12    | 1.46    | 0       | 0.28                | 0.4    | 1.46                 | 1.58                              |
| 7/16/2002      | /                | 0                 | 1,600             | 0.02    | 2.57    | 0       | 0.29                | 0.31   | 2.57                 | 2.59                              |
| 10/29/2002     | /                | 0                 | 140               | 0       | 20.2    | 0       | 0                   | 0      | 20.2                 | 20.2                              |
| 2/25/2003      | /                | 1,600             | 1,600             | 0       | 9.68    | 3.19    | 0                   | 0      | 12.87                | 12.87                             |
| 5/13/2003      | /                | 1                 | 55.2              | 0       | 1.75    | 0       | 0.907               | 0.907  | 1.75                 | 1.75                              |
| 8/26/2003      | /                | 0                 | 240               | 0       | 3.79    | 0       | 0                   | 0      | 3.79                 | 3.79                              |
| 10/21/2003     | /                | 170               | 1700              | 0.637   | 1.77    | 0.332   | 0                   | 0.637  | 2.102                | 2.739                             |
| 1/13/2004      | /                | 0                 | 24,000            | 0       | 0.8     | 0.4     | 0.367               | 0.367  | 1.2                  | 1.2                               |
| 4/13/2004      | /                | 0                 | 3,000             | 0       | 1.98    | 0       | 0.309               | 0.309  | 1.98                 | 1.98                              |
| 7/13/2004      | /                | 0                 | 0                 | 0       | 1.77    | 0       | 0.13                | 0.13   | 1.77                 | 1.77                              |
| 10/5/2004      | /                | 0                 | 0                 | 0       | 24.39   | 0       | 0                   | 0      | 24.39                | 24.39                             |
| 1/18/2005      | /                | 0                 | 160,000           | 0       | 21      | 0       | 0.778               | 0.778  | 21                   | 21                                |
| 4/12/2005      | /                | 0                 | 4                 | 0.127   | 27.5    | 0.164   | 0.241               | 0.368  | 27.664               | 27.791                            |
| 7/19/2005      | /                | 0                 | 220               | 0       | 25.97   | 0       | 0                   | 0      | 25.97                | 25.97                             |
| 10/24/2005     | /                | 0                 | 0                 | 0.119   | 27.1    | 0.752   | 0                   | 0.119  | 27.852               | 27.971                            |
| 1/30/2006      | /                | 0                 | 500               | 0       | 35.7    | 0       | 0                   | 0      | 35.7                 | 35.7                              |
| 5/8/2006       | /                | 0                 | 2,400             | 0       | 25.1    | 0       | 0                   | 0      | 25.1                 | 25.1                              |
| 7/31/2006      | /                | 0                 | 9,000             | 0       | 26.8    | 0       | 0                   | 0      | 26.8                 | 26.8                              |
| 1/9/2007       | /                | 0                 | 160,000           | 0       | 22.8    | 0       | 0                   | 0      | 22.8                 | 22.8                              |
| 4/3/2007       | /                | 0                 | 90,000            | 0       | 18.1    | 0       | 0                   | 0      | 18.1                 | 18.1                              |
| 7/3/2007       | /                | 0                 | 160,000           | 0       | 6.86    | 0.48    | 0.58                | 0.58   | 7.34                 | 7.34                              |
| 10/9/2007      | /                | 0                 | 1,300             | 0       | 11.2    | 0       | 0.1                 | 0.1    | 11.2                 | 11.2                              |
| 1/8/2008       | /                | 0                 | 130               | 0       | 12.8    | 0       | 0                   | 0      | 12.8                 | 12.8                              |
| 4/22/2008      | /                | 0                 | 13,000            | 0.14    | 19.4    | 0       | 0                   | 0.14   | 19.4                 | 19.54                             |
| 7/15/2008      | /                | 0                 | 2,800             | 0       | 19.4    | 0       | 0                   | 0      | 19.4                 | 19.4                              |
| 10/20/2008     | /                | 0                 | 230               | 0.1     | 18.2    | 0       | 0.16                | 0.26   | 18.2                 | 18.3                              |

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**Malibu Water Pollution Control Plant**  
**Well WPCP 5**

| Parameter      | Enteroco<br>ccus | Fecal<br>Coliform | Total<br>Coliform | Ammonia | Nitrate | Nitrite | Organic<br>Nitrogen | TKN    | Nitrate +<br>Nitrite | Ammonia<br>+ Nitrate<br>+ Nitrite |
|----------------|------------------|-------------------|-------------------|---------|---------|---------|---------------------|--------|----------------------|-----------------------------------|
| Unit           | (MPN/10<br>0ml)  | (MPN/10<br>0ml)   | (MPN/10<br>0ml)   | (mg/l)  | (mg/l)  | (mg/l)  | (mg/l)              | (mg/l) | (mg/l)               | (mg/l)                            |
| MCL            |                  | 0                 | 0                 |         |         |         |                     |        | 10                   | 10                                |
| Sample<br>Date |                  |                   |                   |         |         |         |                     |        |                      |                                   |
| 8/7/2001       | /                | 0                 | 6                 | 0       | 13      | 0       | 0.11                | 0.11   | 13                   | 13                                |
| 10/2/2001      | /                | 0                 | 0                 | 0       | 11.5    | 0       | 0.167               | 0.167  | 11.5                 | 11.5                              |
| 5/16/2000      | /                | 0                 | 0                 | 0       | 18.7    | 0       | 0                   | 0      | 18.7                 | 18.7                              |
| 8/8/2000       | /                | 0                 | 0                 | 0.104   | 21      | 0       | 0.17                | 0.274  | 21                   | 21.104                            |
| 11/14/2000     | /                | 0                 | 0                 | 0       | 15.3    | 0       | 0.168               | 0.168  | 15.3                 | 15.3                              |
| 3/13/2001      | /                | 0                 | 0                 | 0       | 17.7    | 0       | 0                   | 0      | 17.7                 | 17.7                              |
| 5/8/2001       | /                | 0                 | 0                 | 0       | 21.4    | 0       | 0                   | 0      | 21.4                 | 21.4                              |
| 8/7/2001       | /                | 0                 | 0                 | 0       | 20.8    | 0       | 0.16                | 0.16   | 20.8                 | 20.8                              |
| 10/2/2001      | /                | 0                 | 0                 | 0       | 16.6    | 0       | 0.12                | 0.12   | 16.6                 | 16.6                              |
| 1/22/2002      | /                | 0                 | 4                 | 0.1     | 13.1    | 0       | 0.127               | 0.227  | 13.1                 | 13.2                              |
| 4/23/2002      | /                | 0                 | 50                | 0       | 7.79    | 0       | 0                   | 0      | 7.79                 | 7.79                              |
| 7/16/2002      | /                | 0                 | 23                | 0       | 5.4     | 0       | 0                   | 0      | 5.4                  | 5.4                               |
| 10/29/2002     | /                | 0                 | 20                | 0.124   | 10.6    | 0       | 0.268               | 0.392  | 10.6                 | 10.724                            |
| 2/25/2003      | /                | 0                 | 0                 | 0       | 7.83    | 0       | 0.18                | 0.18   | 7.83                 | 7.83                              |
| 5/13/2003      | /                | 0                 | 13.4              | 0       | 4.45    | 0       | 0.142               | 0.142  | 4.45                 | 4.45                              |
| 8/26/2003      | /                | 0                 | 0                 | 0       | 8.96    | 0       | 0.166               | 0.166  | 8.96                 | 8.96                              |
| 10/21/2003     | /                | 0                 | 0                 | 0       | 3.41    | 0.545   | 0.242               | 0.242  | 3.955                | 3.955                             |
| 1/13/2004      | /                | 0                 | 0                 | 0       | 1.6     | 0.5     | 0.124               | 0.124  | 2.1                  | 2.1                               |
| 4/13/2004      | /                | 0                 | 0                 | 0.103   | 2.82    | 0       | 0                   | 0.103  | 2.82                 | 2.923                             |
| 7/13/2004      | /                | 0                 | 0                 | 0       | 17.2    | 0       | 0                   | 0      | 17.2                 | 17.2                              |
| 10/5/2004      | /                | 0                 | 0                 | 0       | 18.58   | 0       | 0.153               | 0.153  | 18.58                | 18.58                             |
| 1/18/2005      | /                | 0                 | 40                | 0       | 22.8    | 0       | 0.568               | 0.568  | 22.8                 | 22.8                              |
| 4/12/2005      | /                | 0                 | 0                 | 0.159   | 23.9    | 0       | 0.181               | 0.34   | 23.9                 | 24.059                            |
| 7/19/2005      | /                | /                 | /                 | /       | /       | /       | /                   | /      | /                    | /                                 |
| 10/24/2005     | /                | 0                 | 0                 | 0       | 30.3    | 0       | 0                   | 0      | 30.3                 | 30.3                              |
| 1/30/2006      | /                | 0                 | 230               | 0       | 36.8    | 0       | 0                   | 0      | 36.8                 | 36.8                              |
| 5/8/2006       | /                | 0                 | 0                 | 0       | 27.8    | 0       | 0                   | 0      | 27.8                 | 27.8                              |
| 7/31/2006      | /                | 0                 | 130               | 0       | 29.1    | 0       | 0                   | 0      | 29.1                 | 29.1                              |
| 1/9/2007       | /                | 0                 | 0                 | 0       | 26.4    | 0       | 0                   | 0      | 26.4                 | 26.4                              |
| 4/3/2007       | /                | 0                 | 0                 | 0       | 23.5    | 0       | 0                   | 0      | 23.5                 | 23.5                              |
| 7/3/2007       | /                | 0                 | 0                 | 0       | 14.7    | 0       | 0.56                | 0.56   | 14.7                 | 14.7                              |
| 10/9/2007      | /                | 0                 | 0                 | 0       | 20.7    | 0       | 0                   | 0      | 20.7                 | 20.7                              |
| 1/8/2008       | /                | 0                 | 0                 | 0       | 18.8    | 0       | 0                   | 0      | 18.8                 | 18.8                              |
| 4/22/2008      | /                | 0                 | 0                 | 0       | 22.3    | 0       | 0                   | 0      | 22.3                 | 22.3                              |
| 7/15/2008      | /                | 0                 | 0                 | 0       | 20.8    | 0       | 0                   | 0      | 20.8                 | 20.8                              |
| 10/20/2008     | /                | 0                 | 0                 | 0       | 16.7    | 0       | 0.13                | 0.13   | 16.7                 | 16.7                              |

**Malibu Water Pollution Control Plant**  
**Well WPCP 6**

| Parameter   | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | Nitrite | Organic Nitrogen | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|-------------|--------------|----------------|----------------|---------|---------|---------|------------------|--------|-------------------|-----------------------------|
| Unit        | (MPN/10 0ml) | (MPN/10 0ml)   | (MPN/10 0ml)   | (mg/l)  | (mg/l)  | (mg/l)  | (mg/l)           | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL         |              | 0              | 0              |         |         |         |                  |        | 10                | 10                          |
| Sample Date |              |                |                |         |         |         |                  |        |                   |                             |
| 8/7/2001    | /            | 0              | 30             | 0       | 14.6    | 0       | 0                | 0      | 14.6              | 14.6                        |
| 10/2/2001   | /            | 0              | 0              | 0       | 11.5    | 0       | 0.17             | 0.17   | 11.5              | 11.5                        |
| 5/16/2000   | /            | 0              | 0              | 0       | 18.7    | 0       | 0                | 0      | 18.7              | 18.7                        |
| 8/8/2000    | /            | 0              | 0              | 0.104   | 21      | 0       | 0.17             | 0.274  | 21                | 21.104                      |
| 11/14/2000  | /            | 0              | 0              | 0       | 15.3    | 0       | 0.168            | 0.168  | 15.3              | 15.3                        |
| 3/13/2001   | /            | 0              | 0              | 0       | 17.7    | 0       | 0                | 0      | 17.7              | 17.7                        |
| 5/8/2001    | /            | 0              | 0              | 0       | 21.4    | 0       | 0                | 0      | 21.4              | 21.4                        |
| 8/7/2001    | /            | 0              | 0              | 0       | 20.8    | 0       | 0.16             | 0.16   | 20.8              | 20.8                        |
| 10/2/2001   | /            | 0              | 0              | 0       | 16.6    | 0       | 0.12             | 0.12   | 16.6              | 16.6                        |
| 1/22/2002   | /            | 0              | 0              | 0       | 18.3    | 0       | 0.128            | 0.128  | 18.3              | 18.3                        |
| 4/23/2002   | /            | 0              | 8              | 0       | 15.5    | 0.1     | 0                | 0      | 15.6              | 15.6                        |
| 7/16/2002   | /            | 0              | 0              | 0       | 20.3    | 0.116   | 0                | 0      | 20.416            | 20.416                      |
| 10/29/2002  | /            | 0              | 0              | 0.312   | 22.6    | 0.195   | 0                | 0.312  | 22.795            | 23.107                      |
| 2/25/2003   | /            | 0              | 0              | 0.114   | 20.9    | 0       | 0.174            | 0.288  | 20.9              | 21.014                      |
| 5/13/2003   | /            | 0              | 1              | 0       | 24.4    | 0       | 0                | 0      | 24.4              | 24.4                        |
| 8/26/2003   | /            | 0              | 0              | 0       | 25.5    | 0.317   | 0                | 0      | 25.817            | 25.817                      |
| 10/21/2003  | /            | 0              | 2              | 0.113   | 23.9    | 0.268   | 0                | 0.113  | 24.168            | 24.281                      |
| 1/13/2004   | /            | 0              | 0              | 0       | 30      | 0.6     | 0.159            | 0.159  | 30.6              | 30.6                        |
| 4/13/2004   | /            | 0              | 80             | 0       | 28.9    | 0       | 0.232            | 0.232  | 28.9              | 28.9                        |
| 7/13/2004   | /            | 0              | 0              | 0       | 29.8    | 0.204   | 10.5             | 10.5   | 30.004            | 30.004                      |
| 10/5/2004   | /            | 0              | 0              | 0       | 23.94   | 0.16    | 0.37             | 0.37   | 24.1              | 24.1                        |
| 1/18/2005   | /            | 0              | 20             | 0       | 20.8    | 0       | 0.475            | 0.475  | 20.8              | 20.8                        |
| 4/12/2005   | /            | 0              | 0              | 0       | 19.4    | 0       | 0                | 0      | 19.4              | 19.4                        |
| 7/19/2005   | /            | 0              | 0              | 0       | 22.4    | 0       | 0                | 0      | 22.4              | 22.4                        |
| 10/24/2005  | /            | 0              | 40             | 0       | 20.6    | 1.19    | 0                | 0      | 21.79             | 21.79                       |
| 1/30/2006   | /            | 0              | 20             | 0       | 28.9    | 0       | 0                | 0      | 28.9              | 28.9                        |
| 5/8/2006    | /            | 0              | 0              | 0       | 19.5    | 0       | 0                | 0      | 19.5              | 19.5                        |
| 7/31/2006   | /            | 0              | 40             | 0       | 22.2    | 0       | 0                | 0      | 22.2              | 22.2                        |
| 1/9/2007    | /            | 0              | 0              | 0       | 23.9    | 0       | 0                | 0      | 23.9              | 23.9                        |
| 4/3/2007    | /            | 0              | 0              | 0       | 27.5    | 0       | 0                | 0      | 27.5              | 27.5                        |
| 7/3/2007    | /            | 0              | 0              | 0       | 16.5    | 0       | 0.46             | 0.46   | 16.5              | 16.5                        |
| 10/9/2007   | /            | 0              | 0              | 0       | 14.2    | 0       | 0                | 0      | 14.2              | 14.2                        |
| 1/8/2008    | /            | 0              | 0              | 0       | 13.6    | 0       | 0                | 0      | 13.6              | 13.6                        |
| 4/22/2008   | /            | 0              | 0              | 0       | 19.1    | 0       | 0                | 0      | 19.1              | 19.1                        |
| 7/15/2008   | /            | 0              | 0              | 0       | 21.7    | 0       | 0                | 0      | 21.7              | 21.7                        |
| 10/20/2008  | /            | 0              | 220            | 0       | 21.8    | 0       | 0.12             | 0.12   | 21.8              | 21.8                        |

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**Malibu Water Pollution Control Plant**  
**Well WPCP 7**

| Parameter      | Enteroco<br>ccus | Fecal<br>Coliform | Total<br>Coliform | Ammonia | Nitrate | Nitrite | Organic<br>Nitrogen | TKN    | Nitrate +<br>Nitrite | Ammonia<br>+ Nitrate<br>+ Nitrite |
|----------------|------------------|-------------------|-------------------|---------|---------|---------|---------------------|--------|----------------------|-----------------------------------|
| Unit           | (MPN/10<br>0ml)  | (MPN/10<br>0ml)   | (MPN/10<br>0ml)   | (mg/l)  | (mg/l)  | (mg/l)  | (mg/l)              | (mg/l) | (mg/l)               | (mg/l)                            |
| MCL            |                  | 0                 | 0                 |         |         |         |                     |        | 10                   | 10                                |
| Sample<br>Date |                  |                   |                   |         |         |         |                     |        |                      |                                   |
| 8/7/2001       | /                | 0                 | 4                 | 0       | 22      | 0       | 0.15                | 0.15   | 22                   | 22                                |
| 10/2/2001      | /                | 0                 | 0                 | 0       | 10.8    | 0       | 0.215               | 0.215  | 10.8                 | 10.8                              |
| 5/16/2000      | /                | 0                 | 0                 | 0       | 18.7    | 0       | 0                   | 0      | 18.7                 | 18.7                              |
| 8/8/2000       | /                | 0                 | 0                 | 0.104   | 21      | 0       | 0.17                | 0.274  | 21                   | 21.104                            |
| 11/14/2000     | /                | 0                 | 0                 | 0       | 15.3    | 0       | 0.168               | 0.168  | 15.3                 | 15.3                              |
| 3/13/2001      | /                | 0                 | 0                 | 0       | 17.7    | 0       | 0                   | 0      | 17.7                 | 17.7                              |
| 5/8/2001       | /                | 0                 | 0                 | 0       | 21.4    | 0       | 0                   | 0      | 21.4                 | 21.4                              |
| 8/7/2001       | /                | 0                 | 0                 | 0       | 20.8    | 0       | 0.16                | 0.16   | 20.8                 | 20.8                              |
| 10/2/2001      | /                | 0                 | 0                 | 0       | 16.6    | 0       | 0.12                | 0.12   | 16.6                 | 16.6                              |
| 1/22/2002      | /                | 0                 | 0                 | 0       | 16.5    | 0.438   | 0.121               | 0.121  | 16.938               | 16.938                            |
| 4/23/2002      | /                | 0                 | 0                 | 0       | 19.7    | 0.207   | 0                   | 0      | 19.907               | 19.907                            |
| 7/16/2002      | /                | 0                 | 0                 | 0       | 21.1    | 0.335   | 0                   | 0      | 21.435               | 21.435                            |
| 10/29/2002     | /                | 0                 | 40                | 0       | 23      | 1.02    | 0.46                | 0.46   | 24.02                | 24.02                             |
| 2/25/2003      | /                | 0                 | 0                 | 0       | 26.2    | 0.48    | 0                   | 0      | 26.68                | 26.68                             |
| 5/13/2003      | /                | 2                 | 47.1              | 0       | 26.9    | 0.225   | 0                   | 0      | 27.125               | 27.125                            |
| 8/26/2003      | /                | 0                 | 0                 | 0       | 15.1    | 0.472   | 0.234               | 0.234  | 15.572               | 15.572                            |
| 10/21/2003     | /                | 0                 | 0                 | 1.04    | 18.2    | 0       | 0                   | 1.04   | 18.2                 | 19.24                             |
| 1/13/2004      | /                | 0                 | 0                 | 0       | 19.8    | 0       | 0.288               | 0.288  | 19.8                 | 19.8                              |
| 4/13/2004      | /                | 0                 | 0                 | 0       | 16.4    | 0       | 0                   | 0      | 16.4                 | 16.4                              |
| 7/13/2004      | /                | 0                 | 0                 | 0       | 19.7    | 0       | 7.35                | 7.35   | 19.7                 | 19.7                              |
| 10/5/2004      | /                | 0                 | 0                 | 0       | 15.2    | 0       | 0.944               | 0.944  | 15.2                 | 15.2                              |
| 1/18/2005      | /                | 0                 | 0                 | 0       | 15.2    | 0       | 0.628               | 0.628  | 15.2                 | 15.2                              |
| 4/12/2005      | /                | 0                 | 0                 | 0       | 11.5    | 0       | 0.166               | 0.166  | 11.5                 | 11.5                              |
| 7/19/2005      | /                | 0                 | 0                 | 0       | 13.03   | 0       | 0                   | 0      | 13.03                | 13.03                             |
| 10/24/2005     | /                | 0                 | 0                 | 0       | 19.3    | 0       | 0.327               | 0.327  | 19.3                 | 19.3                              |
| 1/30/2006      | /                | 0                 | 500,000           | 0       | 20.5    | 0       | 0                   | 0      | 20.5                 | 20.5                              |
| 5/8/2006       | /                | 0                 | 300               | 0       | 18.4    | 0       | 0                   | 0      | 18.4                 | 18.4                              |
| 7/31/2006      | /                | 0                 | 0                 | 0       | 15.9    | 0       | 0                   | 0      | 15.9                 | 15.9                              |
| 1/9/2007       | /                | 0                 | 0                 | 0       | 13.5    | 0       | 0.26                | 0.26   | 13.5                 | 13.5                              |
| 4/3/2007       | /                | 0                 | 0                 | 0       | 12.03   | 0       | 0                   | 0      | 12.03                | 12.03                             |
| 7/3/2007       | /                | 0                 | 20                | 0       | 10.7    | 0       | 0.4                 | 0.4    | 10.7                 | 10.7                              |
| 10/9/2007      | /                | 0                 | 0                 | 0       | 9.2     | 0       | 0.11                | 0.11   | 9.2                  | 9.2                               |
| 1/8/2008       | /                | 0                 | 0                 | 0       | 8.9     | 0       | 0                   | 0      | 8.9                  | 8.9                               |
| 4/22/2008      | /                | 0                 | 40                | 0       | 10.4    | 0       | 0.9                 | 0.9    | 10.4                 | 10.4                              |
| 7/15/2008      | /                | 0                 | 0                 | 0       | 10      | 0       | 0.137               | 0.137  | 10                   | 10                                |
| 10/20/2008     | /                | 0                 | 0                 | 0       | 8.76    | 0       | 0.13                | 0.13   | 8.76                 | 8.76                              |

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**Surfrider Beach  
Well SB-1**

| Parameter   | Enterococcus | Fecal Coliform | Total Coliform | Ammonia (mg/l) | Nitrate (mg/l) | Nitrite (mg/l) | Organic Nitrogen (mg/l) | TKN (mg/l) | Nitrate + Nitrite (mg/l) | Ammonia + Nitrate + Nitrite (mg/l) |
|-------------|--------------|----------------|----------------|----------------|----------------|----------------|-------------------------|------------|--------------------------|------------------------------------|
| Unit        | (MPN/100 ml) | (MPN/100 ml)   | (MPN/100 ml)   |                |                |                |                         |            | 10                       | 10                                 |
| MCL         | 0            | 0              |                |                |                |                |                         |            |                          |                                    |
| Sample Date |              |                |                |                |                |                |                         |            |                          |                                    |
| 3/24/2004   | 0            | 0              | 0              | 0.271          | 2.09           | 1.51           | 1.54                    | 1.811      | 3.6                      | 3.871                              |
| 5/14/2004   | 0            | 0              | 0              | 0              | 2.17           | 0              | 0.55                    | 0.55       | 2.17                     | 2.17                               |
| 9/1/2004    | 0            | 0              | 0              | 0              | 2.222          | 0              | 0.381                   | 0.381      | 2.222                    | 2.222                              |
| 12/7/2004   | 0            | 0              | 0              | 0              | 5.53           | 0              | 1.63                    | 1.63       | 5.53                     | 5.53                               |
| 3/9/2005    | 0            | 0              | 0              | 0              | 12             | 0.292          | 0                       | 0          | 12.292                   | 12.292                             |
| 6/3/2005    | 0            | 0              | 0              | 1              | 1.33           | 0.615          | 2.38                    | 3.38       | 1.945                    | 2.945                              |
| 9/9/2005    | 0            | 0              | 0              | 1.18           | 12.3           | 0              | 8.61                    | 9.79       | 12.3                     | 13.48                              |
| 11/18/2005  | 549          | 0              | 800            | 0.396          | 11             | 1.4            | 1.6                     | 1.996      | 12.4                     | 12.796                             |
| 3/3/2006    | 14,700       | 0              | 9,000          | 0.4            | 9.53           | 0.764          | 0.84                    | 1.24       | 10.294                   | 10.694                             |
| 6/2/2006    | 0            | 0              | 0              | 0.466          | 39.3           | 0.928          | 0.154                   | 0.62       | 40.228                   | 40.694                             |
| 9/8/2006    | 0            | 0              | 40             | 0.62           | 43.8           | 0.755          | 7.56                    | 8.18       | 44.555                   | 45.175                             |
| 11/17/2006  | 0            | 0              | 0              | 0.64           | 42.9           | 0.396          | 3.1                     | 3.74       | 43.296                   | 43.936                             |
| 3/2/2007    | 0            | 0              | 0              | 0.7            | 72.9           | 0.156          | 0.84                    | 1.54       | 73.056                   | 73.756                             |
| 6/1/2007    | 0            | 0              | 0              | 1.5            | 31.1           | 0              | 2.28                    | 3.78       | 31.1                     | 32.6                               |
| 9/7/2007    | 0            | 0              | 0              | 0              | 4.33           | 0              | 1.01                    | 1.01       | 4.33                     | 4.33                               |
| 11/16/2007  | 0            | 0              | 0              | 0.92           | 3.61           | 0              | 1.38                    | 2.3        | 3.61                     | 4.53                               |
| 5/30/2008   | 0            | 0              | 0              | 0.13           | 15.1           | 0              | 0.51                    | 0.64       | 15.1                     | 15.23                              |
| 8/29/2008   | 0            | 0              | 0              | 0.19           | 16.7           | 0              | 0.39                    | 0.58       | 16.7                     | 16.89                              |
| 12/5/2008   | /            | /              | 0              | 0              | 17.9           | /              | 0                       | 0          | /                        | /                                  |
| 3/13/2009   | 0            | 0              | 0              | 0.37           | 14.4           | /              | 0.12                    | 0.49       | /                        | /                                  |
| 6/12/2009   | 0            | 0              | 0              | 0.2            | 321            | /              | 0.15                    | 0.35       | /                        | /                                  |

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**Surfrider Beach  
Well SB-2**

| Parameter   | Enterococcus<br>(MPN/100 ml) | Fecal Coliform<br>(MPN/100 ml) | Total Coliform<br>(MPN/100 ml) | Ammonia<br>(mg/l) | Nitrate<br>(mg/l) | Nitrite<br>(mg/l) | Organic Nitrogen<br>(mg/l) | TKN<br>(mg/l) | Nitrate + Nitrite<br>(mg/l) | Ammonia + Nitrate + Nitrite<br>(mg/l) |
|-------------|------------------------------|--------------------------------|--------------------------------|-------------------|-------------------|-------------------|----------------------------|---------------|-----------------------------|---------------------------------------|
| Unit        | (MPN/100 ml)                 | (MPN/100 ml)                   | (MPN/100 ml)                   | (mg/l)            | (mg/l)            | (mg/l)            | (mg/l)                     | (mg/l)        | (mg/l)                      | (mg/l)                                |
| MCL         | 0                            | 0                              | 0                              |                   |                   |                   |                            |               | 10                          | 10                                    |
| Sample Date |                              |                                |                                |                   |                   |                   |                            |               |                             |                                       |
| 3/24/2004   | 0                            | 20                             | 40                             | 3.81              | 3.14              | 1.84              | 79.4                       | 83.21         | 4.98                        | 8.79                                  |
| 5/14/2004   | 0                            | 0                              | 0                              | 1.63              | 63.7              | 0.13              | 36.6                       | 38.23         | 63.83                       | 65.46                                 |
| 9/1/2004    | 0                            | 0                              | 0                              | 2.02              | 76.32             | 0.24              | 1.28                       | 3.3           | 76.56                       | 78.58                                 |
| 12/7/2004   | 0                            | 0                              | 0                              | 0.34              | 15.8              | 0.158             | 0.58                       | 0.92          | 15.958                      | 16.298                                |
| 3/9/2005    | 0                            | 0                              | 0                              | 1.8               | 51.7              | 0                 | 0.4                        | 2.2           | 51.7                        | 53.5                                  |
| 6/3/2005    | 0                            | 0                              | 0                              | 10.2              | 0.231             | 1.67              | 1.67                       | 1.67          | 10.431                      | 10.431                                |
| 9/9/2005    | 0                            | 0                              | 0                              | 0.127             | 4.56              | 0                 | 1.02                       | 1.147         | 4.56                        | 4.687                                 |
| 11/18/2005  | 3                            | 0                              | 230                            | 0                 | 0.869             | 0.724             | 0.541                      | 0.541         | 1.593                       | 1.593                                 |
| 3/3/2006    | 41                           | 0                              | 130                            | 0.12              | 3.23              | 0                 | 4.66                       | 4.78          | 3.23                        | 3.35                                  |
| 6/2/2006    | 0                            | 0                              | 40                             | 0                 | 0.045             | 0                 | 1.11                       | 1.11          | 0.045                       | 0.045                                 |
| 9/8/2006    | 0                            | 0                              | 300                            | 0                 | 7.47              | 0                 | 0.451                      | 0.451         | 7.47                        | 7.47                                  |
| 11/17/2006  | 0                            | 0                              | 0                              | 0.17              | 9.03              | 0                 | 0.91                       | 1.08          | 9.03                        | 9.2                                   |
| 3/2/2007    | 0                            | 0                              | 0                              | 0.1               | 4.43              | 0                 | 0.5                        | 0.6           | 4.43                        | 4.53                                  |
| 6/1/2007    | 0                            | 0                              | 0                              | 0                 | 0.9               | 0                 | 0.17                       | 0.17          | 0.9                         | 0.9                                   |
| 9/7/2007    | 0                            | 0                              | 0                              | 0                 | 2.03              | 0                 | 2.22                       | 2.22          | 2.03                        | 2.03                                  |
| 11/16/2007  | 0                            | 0                              | 0                              | 0                 | 2.08              | 0                 | 0.13                       | 0.13          | 2.08                        | 2.08                                  |
| 5/30/2008   | 0                            | 0                              | 0                              | 0.12              | 0.3               | 0                 | 0.32                       | 0.44          | 0.3                         | 0.42                                  |
| 8/29/2008   | 70                           | 0                              | 0                              | 0.11              | 3                 | 0                 | 0.25                       | 0.36          | 3                           | 3.11                                  |
| 12/5/2008   | /                            | /                              | 0                              | 4.81              | /                 | 0.42              | 0.42                       | /             | /                           | /                                     |
| 3/13/2009   | 0                            | 0                              | 0                              | 0                 | 1.88              | /                 | 0.42                       | 0.42          | /                           | /                                     |
| 6/12/2009   | 0                            | 0                              | 0                              | 0.17              | 0.27              | /                 | 0.11                       | 0.28          | /                           | /                                     |

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**Malibu Beach Inn  
MW1**

| Parameter   | Enterococcus<br>(MPN/100ml) | Fecal Coliform<br>(MPN/100ml) | Total Coliform<br>(MPN/100ml) | Ammonia<br>(mg/l) | Nitrate<br>(mg/l) | TKN<br>(mg/l) | Nitrate + Nitrite<br>(mg/l) | Ammonia +<br>Nitrate + Nitrite<br>(mg/l) |
|-------------|-----------------------------|-------------------------------|-------------------------------|-------------------|-------------------|---------------|-----------------------------|--|
| Unit        | (MPN/100ml)                 | (MPN/100ml)                   | (MPN/100ml)                   | (mg/l)            | (mg/l)            | (mg/l)        | (mg/l)                      | (mg/l)                                   |
| MCL         | 0                           | 0                             |                               |                   |                   |               | 10                          | 10                                       |
| Sample Date |                             |                               |                               |                   |                   |               |                             |  |
| 2/11/2009   | 0                           | 2                             | 8                             | 3                 | 1.7               | 0             | 3.15                        | 1.7                                      |
| 6/9/2009    | 2                           | 0                             | 10                            | 2.05              | 3.9               | 0             | 2.2                         | 3.9                                      |
| 2/11/2009   | 0                           | 2                             | 8                             | 3                 | 1.7               | 0             | 3.15                        | 1.7                                      |
| 2/14/2008   | 0                           | 0                             | 0                             | 1.5               | 15.1              | 0.09          | 1.63                        | 15.19                                    |
| 5/15/2008   | 0                           | 0                             | 110                           | 2.65              | 39                | 0.147         | 2.8                         | 39.147                                   |
| 9/30/2008   | /                           | 2                             | 24                            | 2.3               | 18.1              | 0.201         | 2.47                        | 18.301                                   |
| 12/3/2008   | 0                           | 0                             | 0                             | 2.26              | 10.3              | 0.184         | 2.4                         | 10.484                                   |
| 11/15/2007  | /                           | 0                             | 0                             | 16.5              | 8.5               | 0.635         | 17.5                        | 9.135                                    |
| 2/15/2007   | /                           | /                             | /                             | /                 | /                 | /             | /                           | /  |
| 5/1/2007    | /                           | /                             | /                             | /                 | /                 | /             | /                           | /  |
| 2/15/2006   | /                           | /                             | /                             | /                 | /                 | /             | /                           | /  |
| 5/25/2006   | /                           | /                             | /                             | /                 | /                 | /             | /                           | /  |
| 8/18/2006   | /                           | /                             | /                             | /                 | /                 | /             | /                           | /  |
| 12/8/2006   | /                           | /                             | /                             | /                 | /                 | /             | /                           | /  |
| 2/23/2005   | /                           | /                             | /                             | /                 | /                 | /             | /                           | /  |
| 5/18/2005   | /                           | /                             | /                             | /                 | /                 | /             | /                           | /  |
| 9/27/2005   | /                           | /                             | /                             | /                 | /                 | /             | /                           | /  |
| 11/18/2005  | /                           | /                             | /                             | /                 | /                 | /             | /                           | /  |
| 6/25/2004   | /                           | /                             | /                             | /                 | /                 | /             | /                           | /  |
| 8/17/2004   | /                           | /                             | /                             | /                 | /                 | /             | /                           | /  |
| 11/8/2004   | /                           | /                             | /                             | /                 | /                 | /             | /                           | /  |

D R A F T C O D I N G

**Malibu Beach Inn  
MW2**

| Parameter   | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | Nitrite | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|-------------|--------------|----------------|----------------|---------|---------|---------|--------|-------------------|-----------------------------|
| Unit        | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l)  | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL         | 0            | 0              |                |         |         |         |        | 10                | 10                          |
| Sample Date |              |                |                |         |         |         |        |                   |                             |
| 2/11/2009   | /            | /              | /              | /       | /       | /       | /      | /                 | /                           |
| 6/9/2009    | /            | /              | /              | /       | /       | /       | /      | /                 | /                           |
| 2/11/2009   | /            | /              | /              | /       | /       | /       | /      | /                 | /                           |
| 2/14/2008   | 0            | 0              | 0              | 2.6     | 1.4     | 0.07    | 1.63   | 1.47              | 4.07                        |
| 5/15/2008   | 0            | 0              | 48             | 1.85    | 9.5     | 0.029   | 2.83   | 9.529             | 11.379                      |
| 9/30/2008   | /            | 2              | 10             | 2.54    | 2.4     | 0       | 1.9    | 2.4               | 4.94                        |
| 12/3/2008   | 0            | 0              | 0              | 2.15    | 3.2     | 0.028   | 2.68   | 3.228             | 5.378                       |
| 11/15/2007  | /            | /              | /              | /       | /       | /       | /      | /                 | /                           |
| 2/15/2007   | 2            | 2              | 0              | 0.01    | 0.18    | 0       | 0.06   | 0.18              | 0.19                        |
| 5/1/2007    | 4.1          | 2              | 0              | 0       | 0.63    | 0       | 4.14   | 0.63              | 0.63                        |
| 2/15/2006   | 33.6         | 0              | 0              | 0.01    | 0.15    | 0.04    | 1.47   | 0.19              | 0.2                         |
| 5/25/2006   | 5.2          | 2              | 0              | 0.06    | 0.08    | 0       | 3.49   | 0.08              | 0.14                        |
| 8/18/2006   | 0            | 2              | 0              | 0.12    | 5.14    | 0       | 0.56   | 5.14              | 5.26                        |
| 12/8/2006   | 0            | 0              | 0              | 0.12    | 5.14    | 0       | 0.56   | 5.14              | 5.26                        |
| 2/23/2005   | 2419.2       | 0              | 2              | 0.49    | 6.3     | 0.18    | 5.93   | 6.48              | 6.97                        |
| 5/18/2005   | 63.2         | 2              | 4              | 0.7     | 28.9    | 0.28    | 2.44   | 29.18             | 29.88                       |
| 9/27/2005   | 44.7         | 2              | 17             | 0.6     | 1.1     | 0       | 1.1    | 1.1               | 1.7                         |
| 11/18/2005  | 13.2         | 0              | 0              | 0.34    | 0.32    | 0       | 0.42   | 0.32              | 0.66                        |
| 6/25/2004   | 93.3         | 30             | 50             | 3.02    | 4.95    | 0.07    | 15.32  | 5.02              | 8.04                        |
| 8/17/2004   | 128.7        | 2              | 2              | 1.82    | 3.83    | 0.13    | 6.71   | 3.96              | 5.78                        |
| 11/8/2004   | 9.8          | 0              | 0              | 2.67    | 15.6    | 0.34    | 7.64   | 15.94             | 18.61                       |

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**Malibu Beach Inn  
MW3**

| Parameter   | Enterococcus | Fecal Coliform | Total Coliform | Ammonia | Nitrate | Nitrite | TKN    | Nitrate + Nitrite | Ammonia + Nitrate + Nitrite |
|-------------|--------------|----------------|----------------|---------|---------|---------|--------|-------------------|-----------------------------|
| Unit        | (MPN/100ml)  | (MPN/100ml)    | (MPN/100ml)    | (mg/l)  | (mg/l)  | (mg/l)  | (mg/l) | (mg/l)            | (mg/l)                      |
| MCL         | 0            | 0              | 0              |         |         |         |        | 10                | 10                          |
| Sample Date |              |                |                |         |         |         |        |                   |                             |
| 2/11/2009   | 0            | 0              | 0              | 1.55    | 12.2    | 1.56    | 1.64   | 13.76             | 15.31                       |
| 6/9/2009    | 0            | 0              | 0              | 0.68    | 16      | 0.119   | 0.73   | 16.119            | 16.799                      |
| 2/11/2009   | 0            | 0              | 0              | 1.55    | 12.2    | 1.56    | 1.64   | 13.76             | 15.31                       |
| 2/14/2008   | /            | /              | /              | /       | /       | /       | /      | /                 | /                           |
| 5/15/2008   | /            | /              | /              | /       | /       | /       | /      | /                 | /                           |
| 9/30/2008   | /            | /              | /              | /       | /       | /       | /      | /                 | /                           |
| 12/3/2008   | /            | /              | /              | /       | /       | /       | /      | /                 | /                           |
| 11/15/2007  | /            | /              | /              | /       | /       | /       | /      | /                 | /                           |
| 2/15/2007   | 15.8         | 2              | 0              | 2.36    | 14.7    | 0.06    | 40.16  | 1.53              | 3.89                        |
| 5/1/2007    | 18.7         | 2              | 11             | 16.3    | 0.88    | 0       | 19.48  | 0.88              | 17.18                       |
| 2/15/2006   | 13.2         | 2              | 2              | 21      | 5.41    | 0.38    | 28.02  | 5.79              | 26.79                       |
| 5/25/2006   | 5.2          | 17             | 17             | 10.9    | 15.4    | 0.06    | 13.05  | 15.46             | 26.36                       |
| 8/18/2006   | 66.2         | 0              | 0              | 19.9    | 3.02    | 0       | 28.05  | 3.02              | 22.92                       |
| 12/8/2006   | 0            | 0              | 0              | 65.1    | 0.9     | 0       | 88.7   | 0.9               | 66                          |
| 2/23/2005   | 22.6         | 2              | 8              | 4.53    | 0.04    | 0.11    | 9.01   | 0.15              | 4.68                        |
| 5/18/2005   | 5.1          | 4              | 4              | 6.19    | 1.34    | 0.06    | 19.59  | 1.4               | 7.59                        |
| 9/27/2005   | 47.2         | 2              | 2              | 50.1    | 3.4     | 0.02    | 67.6   | 3.42              | 53.52                       |
| 11/18/2005  | 7.4          | 0              | 0              | 26.8    | 1.22    | 0       | 31.73  | 1.22              | 28.02                       |
| 6/25/2004   | 2419.2       | 7              | 30             | 22.4    | 0       | 1.29    | 40.1   | 1.29              | 23.69                       |
| 8/17/2004   | 31.4         | 0              | 0              | 23.6    | 0       | 0.1     | 28.87  | 0.1               | 23.7                        |
| 11/8/2004   | 9.7          | 0              | 0              | 12      | 0.07    | 0.14    | 13.44  | 0.21              | 12.21                       |

**Technical Memorandum #2: Pathogens and Nitrogen in  
Wastewaters Impair Underlying Groundwater as a Potential  
Source of Drinking Water**

**Attachment 2-2**

**Graphs for 59 Individual Wells**

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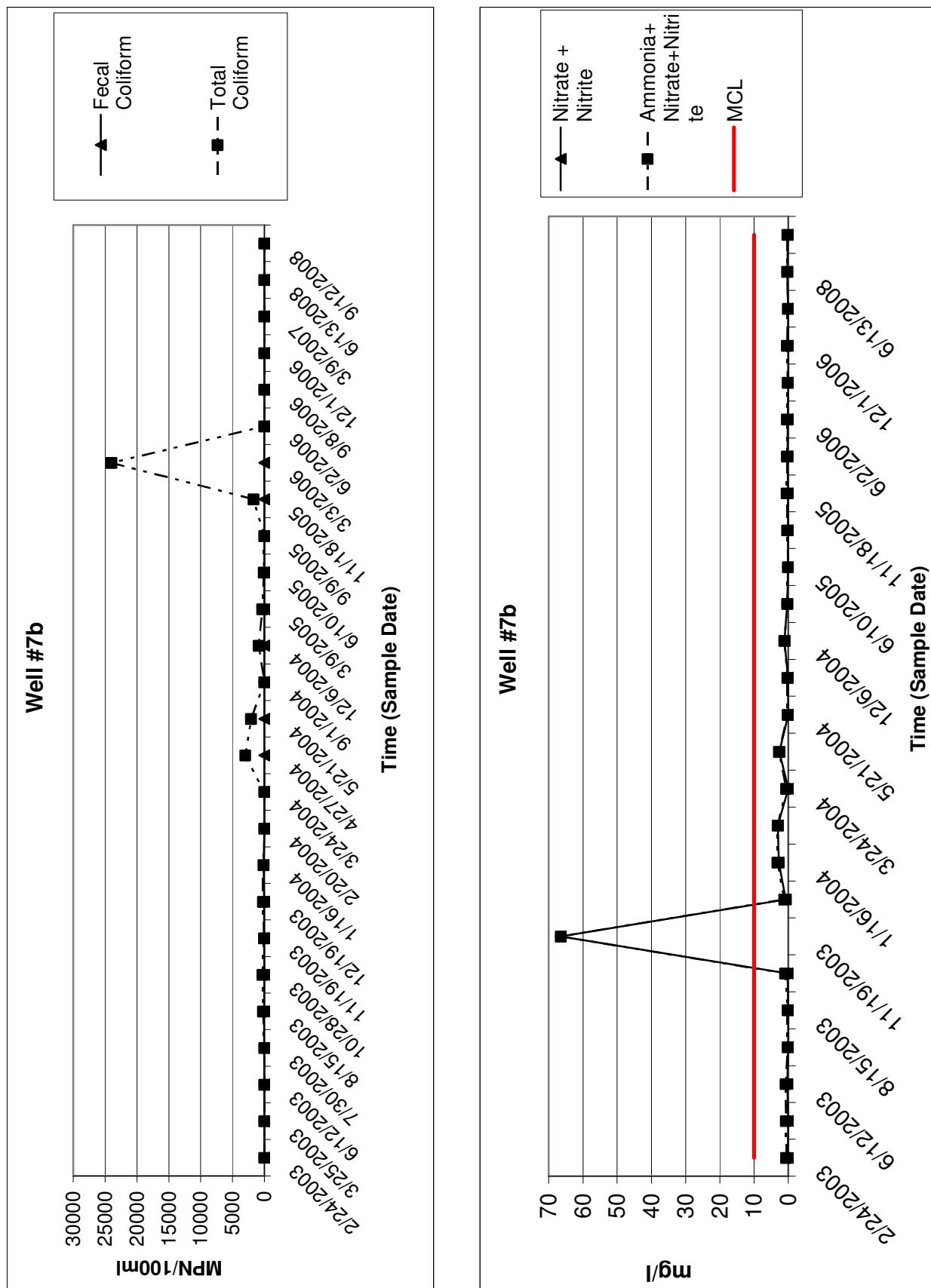
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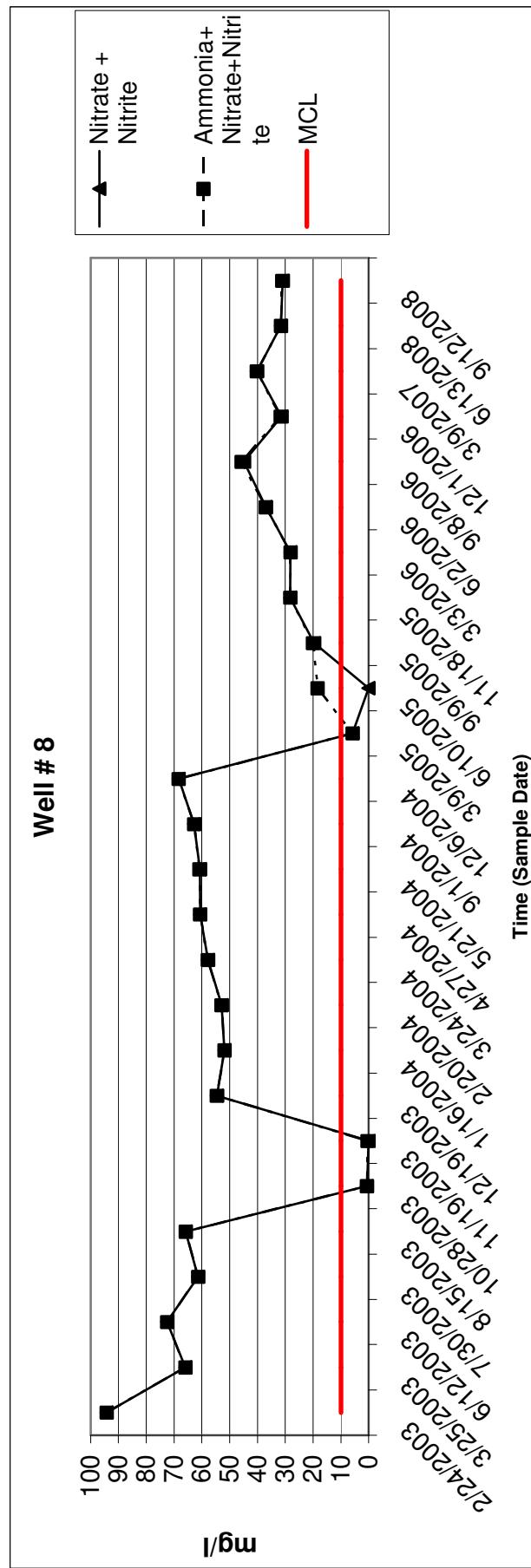
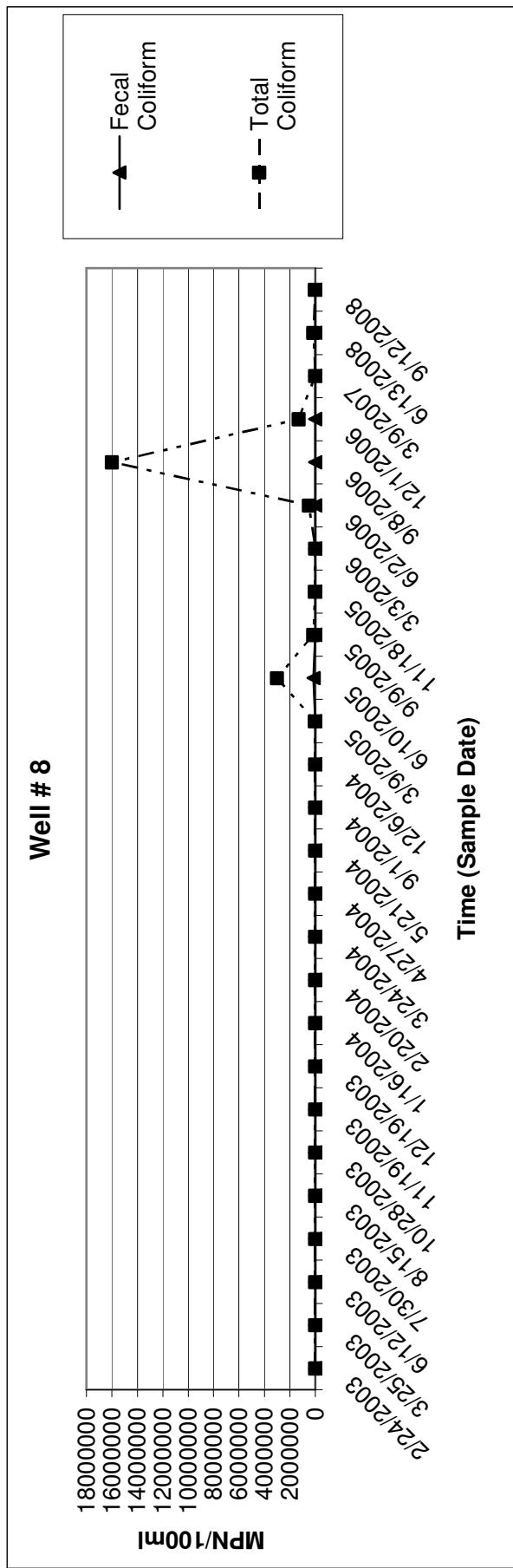
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### Malibu Administrative Center

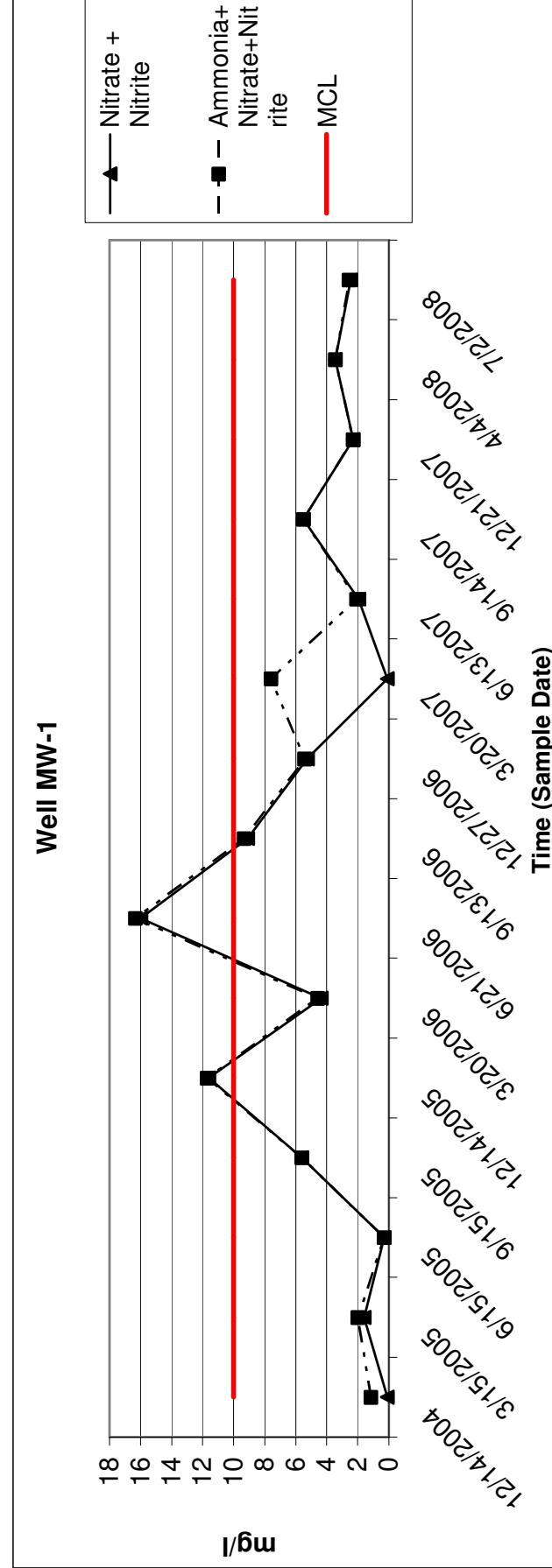
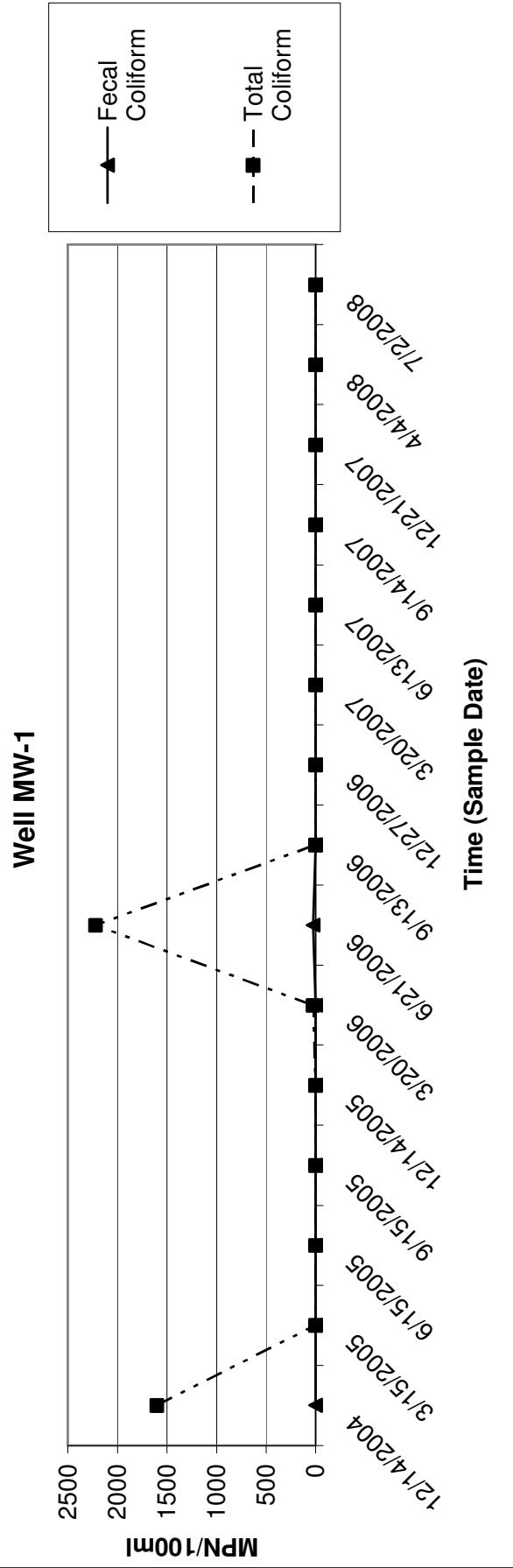


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### Malibu Administrative Center



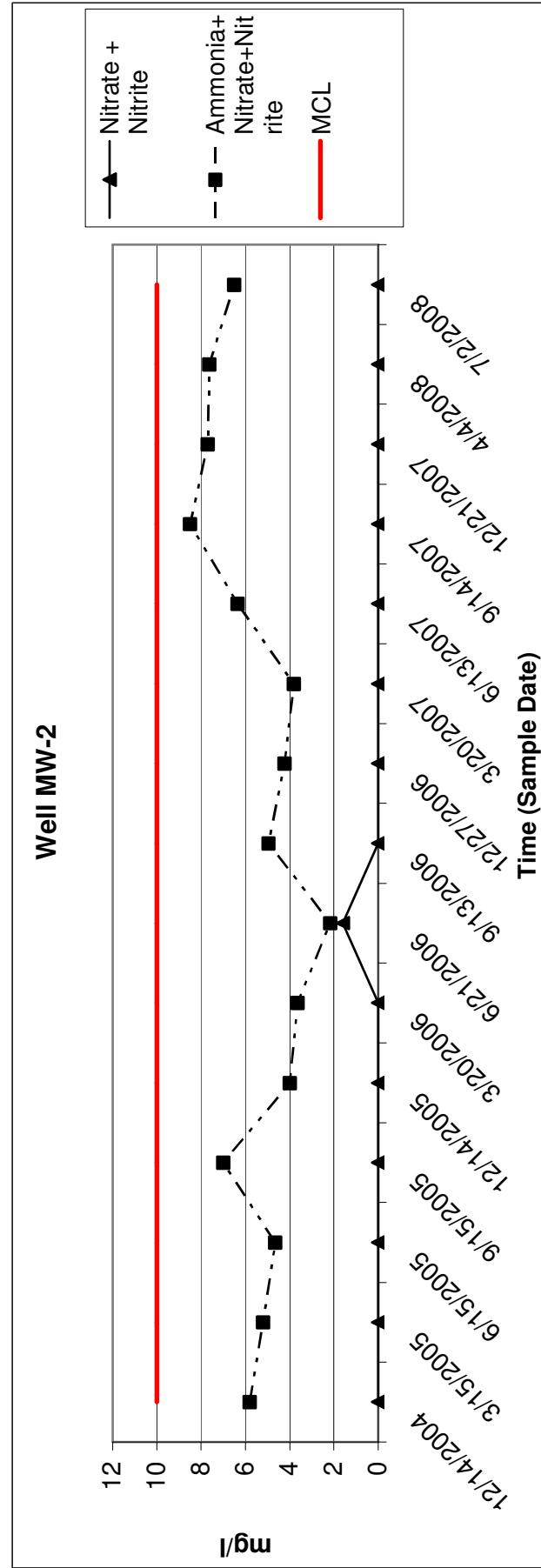
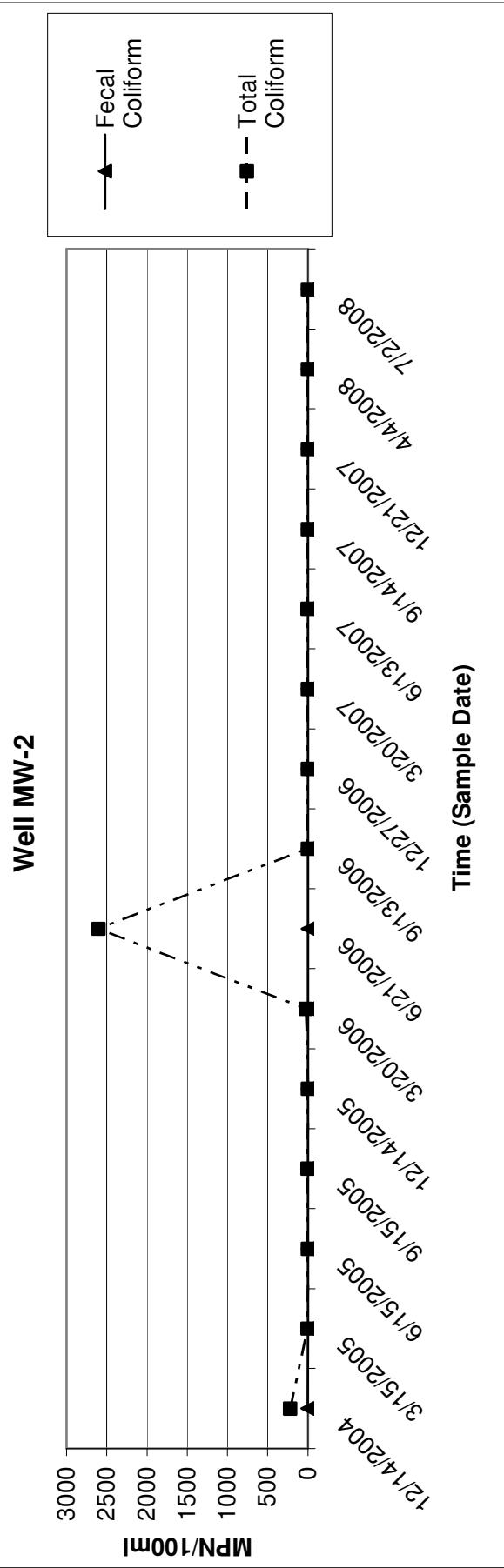
## Malibu Country Mart I



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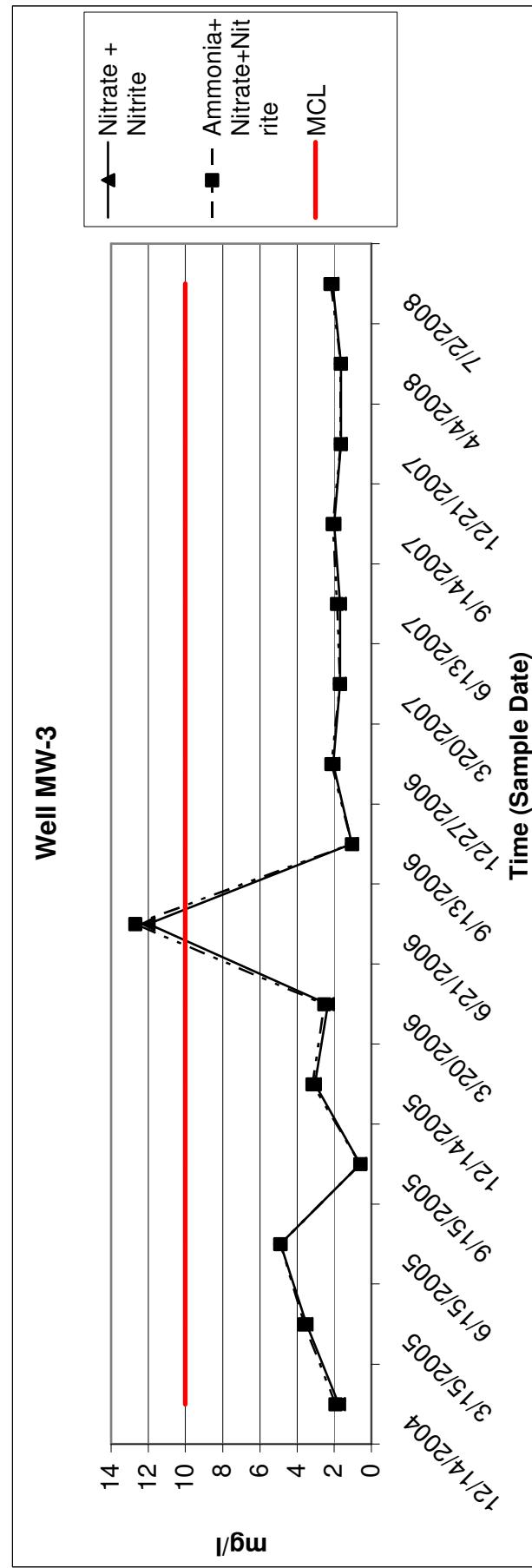
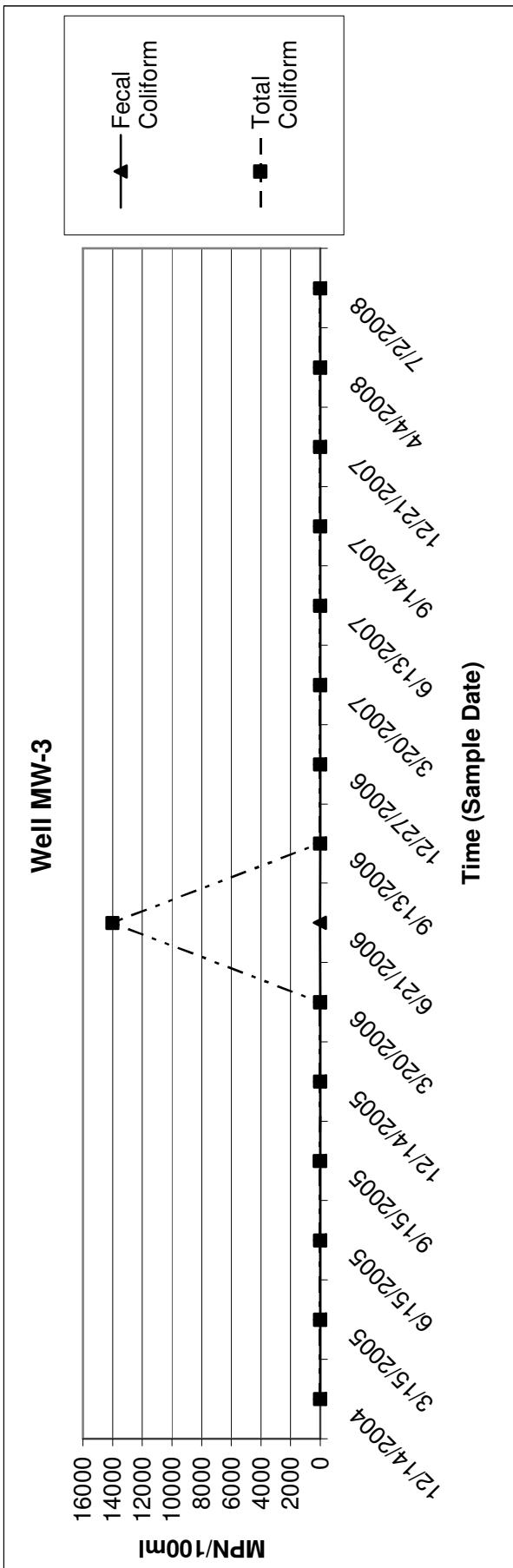
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## Malibu Country Mart I



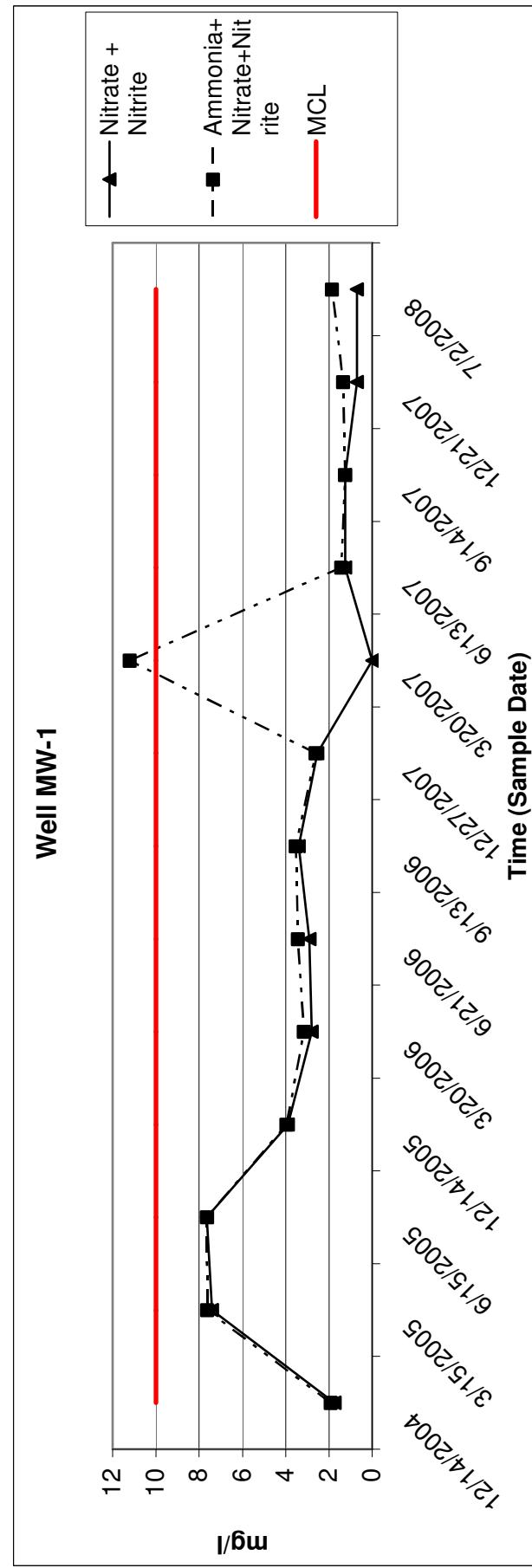
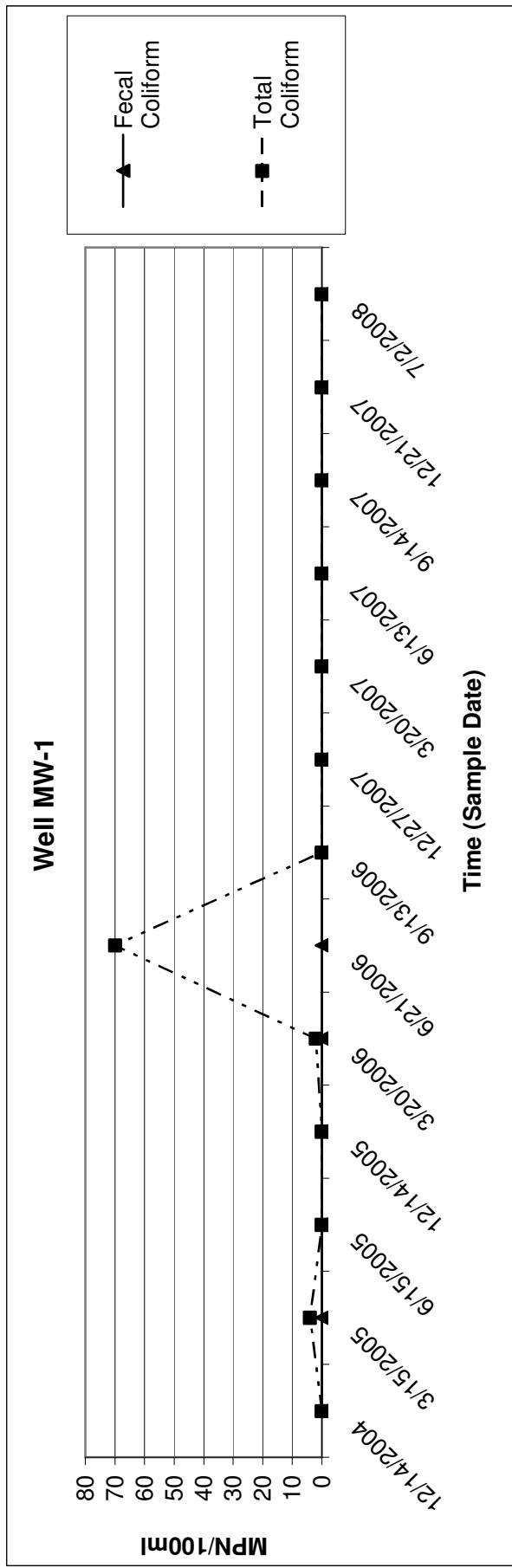
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## Malibu Country Mart I



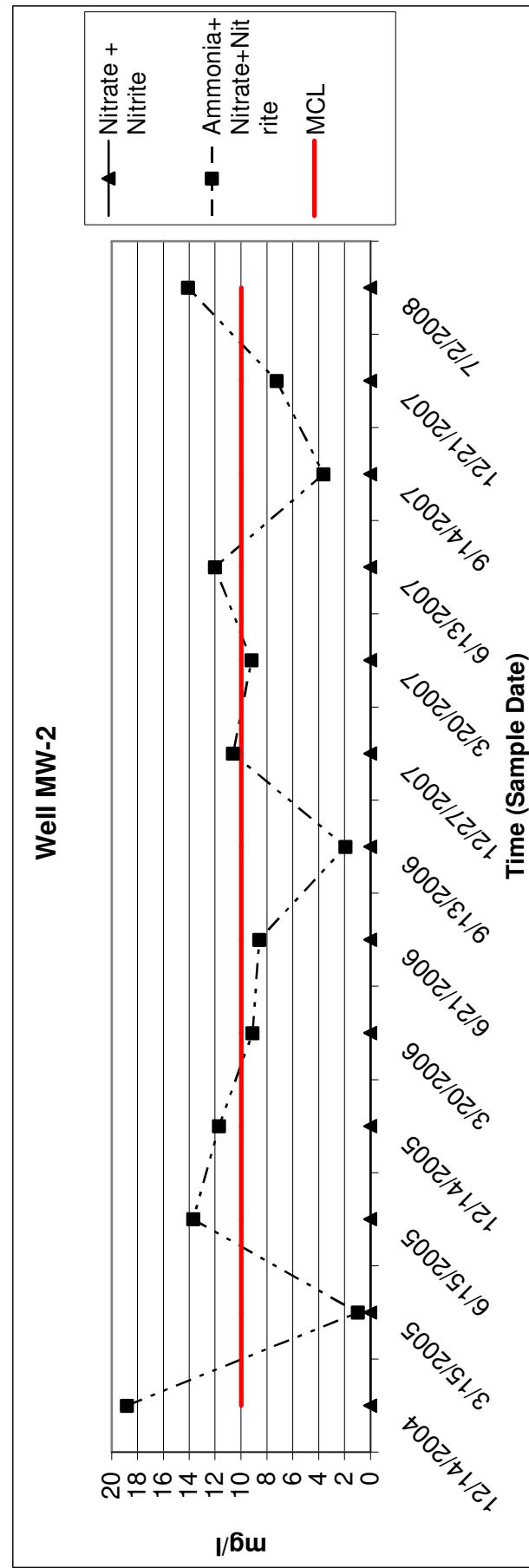
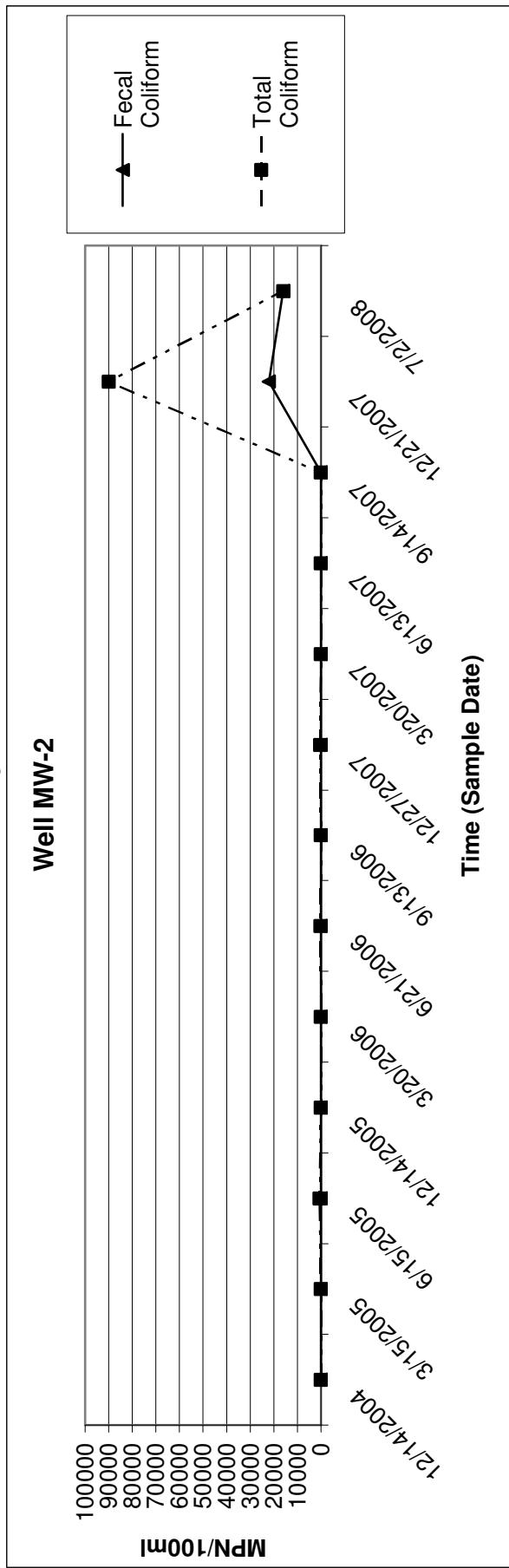
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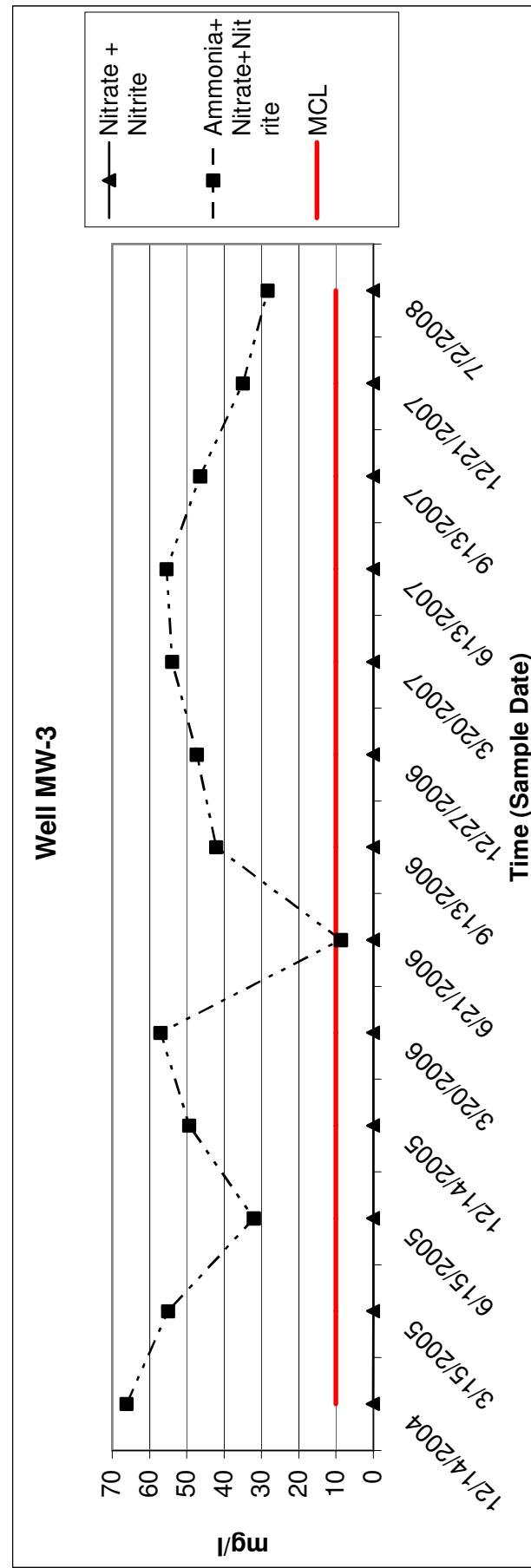
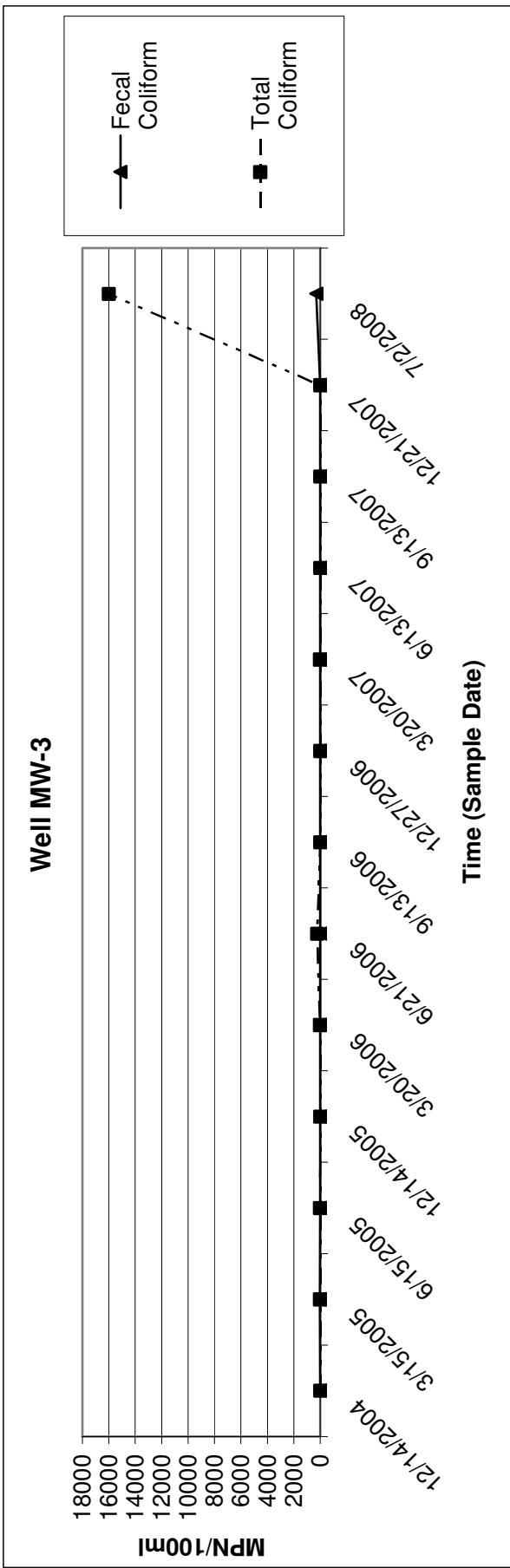
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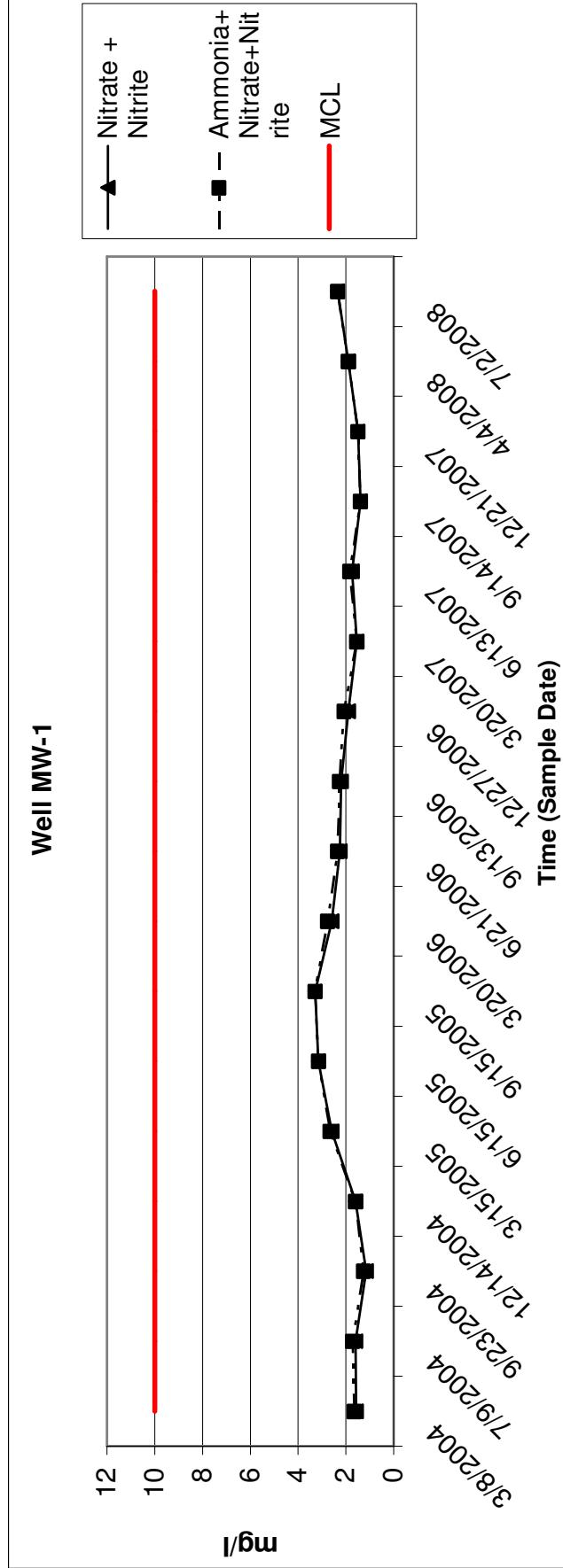
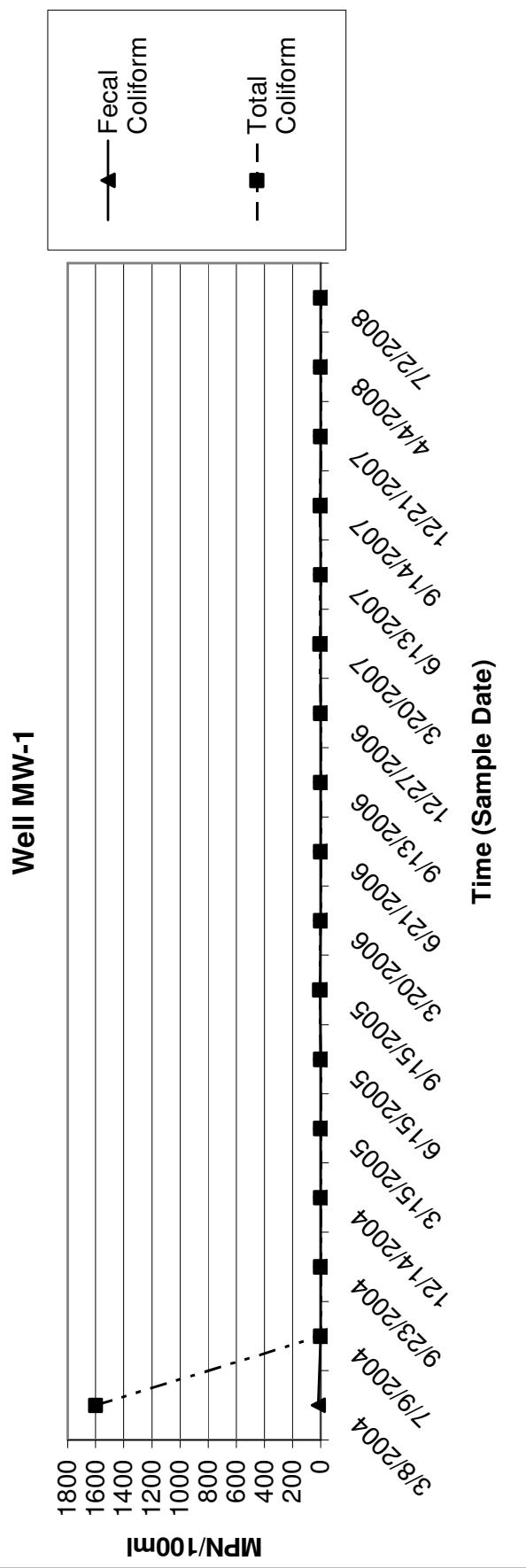
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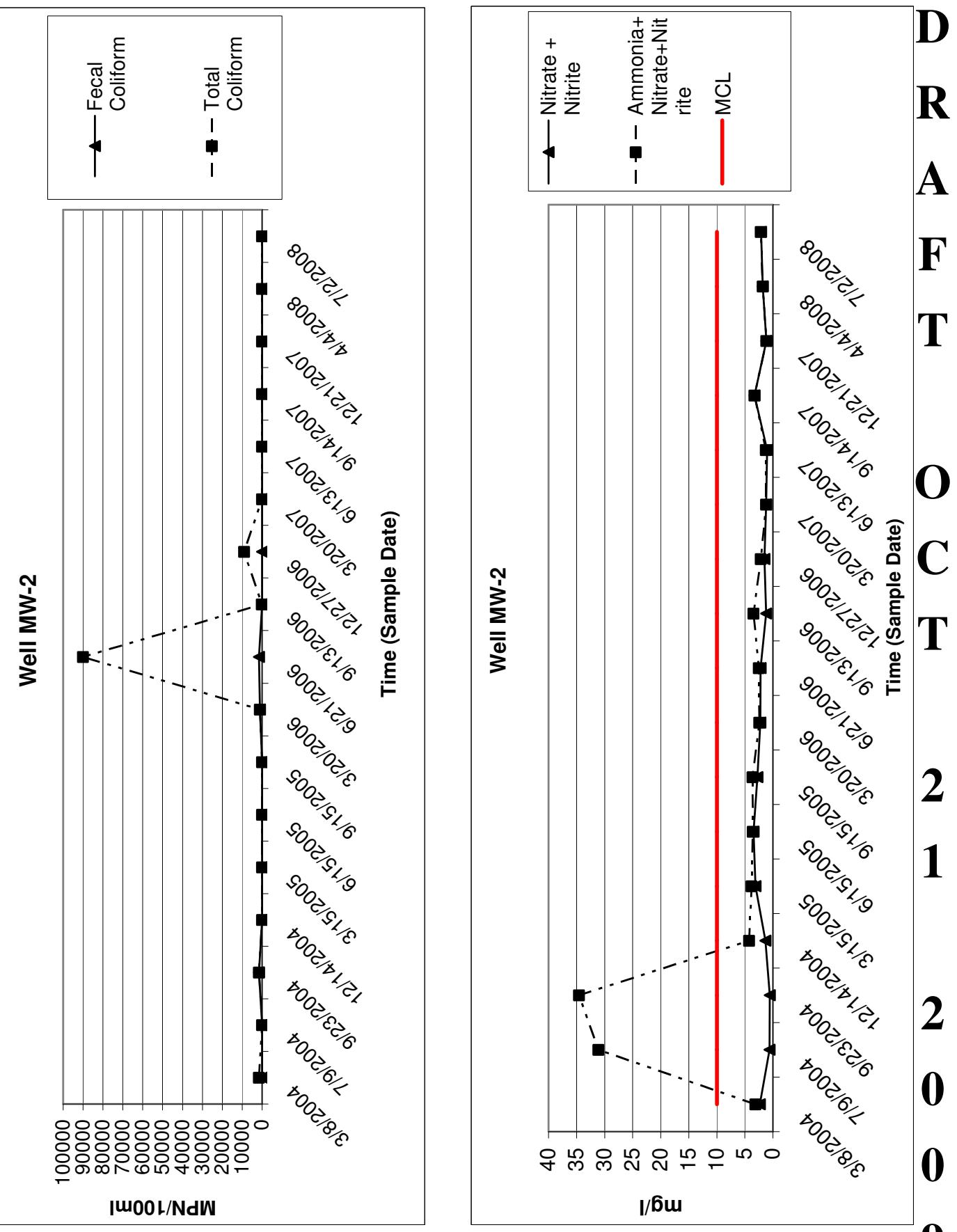


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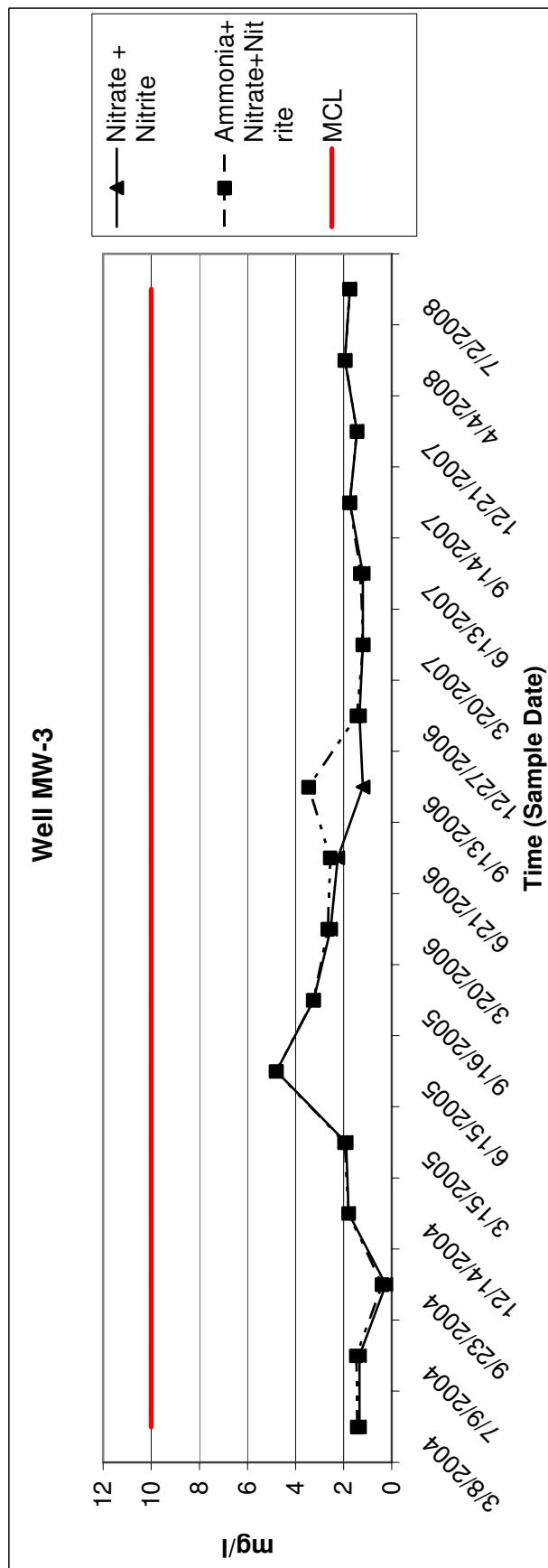
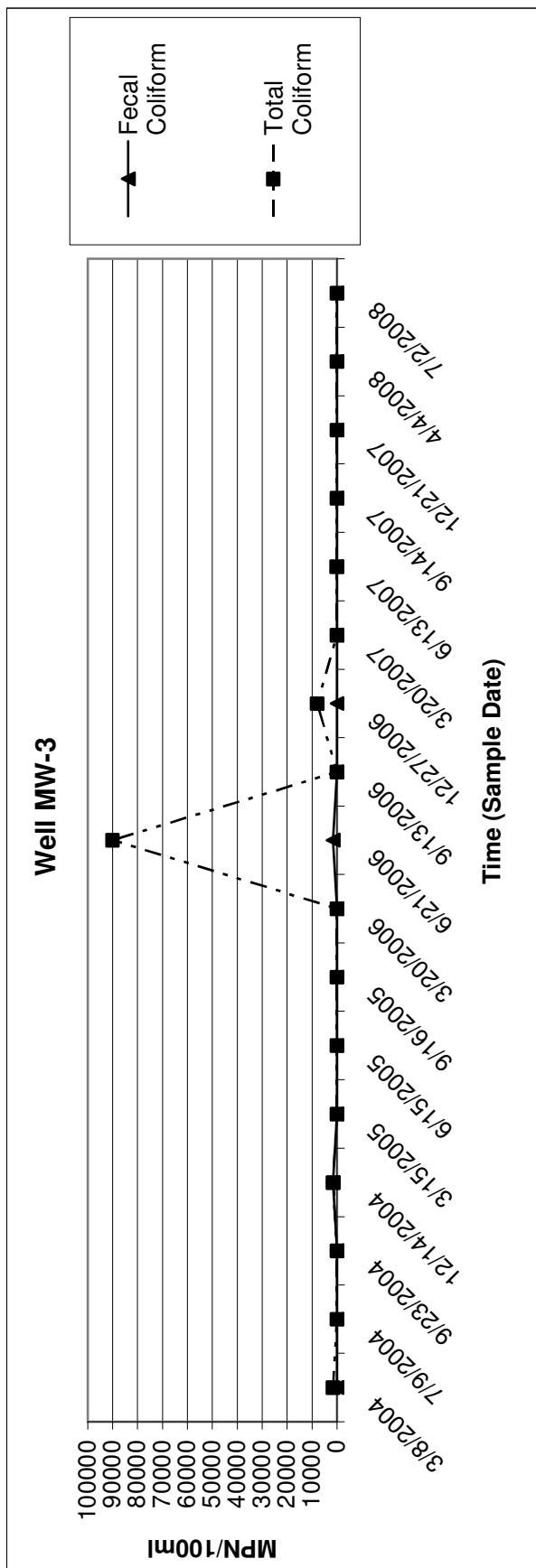


## Malibu Country Mart III



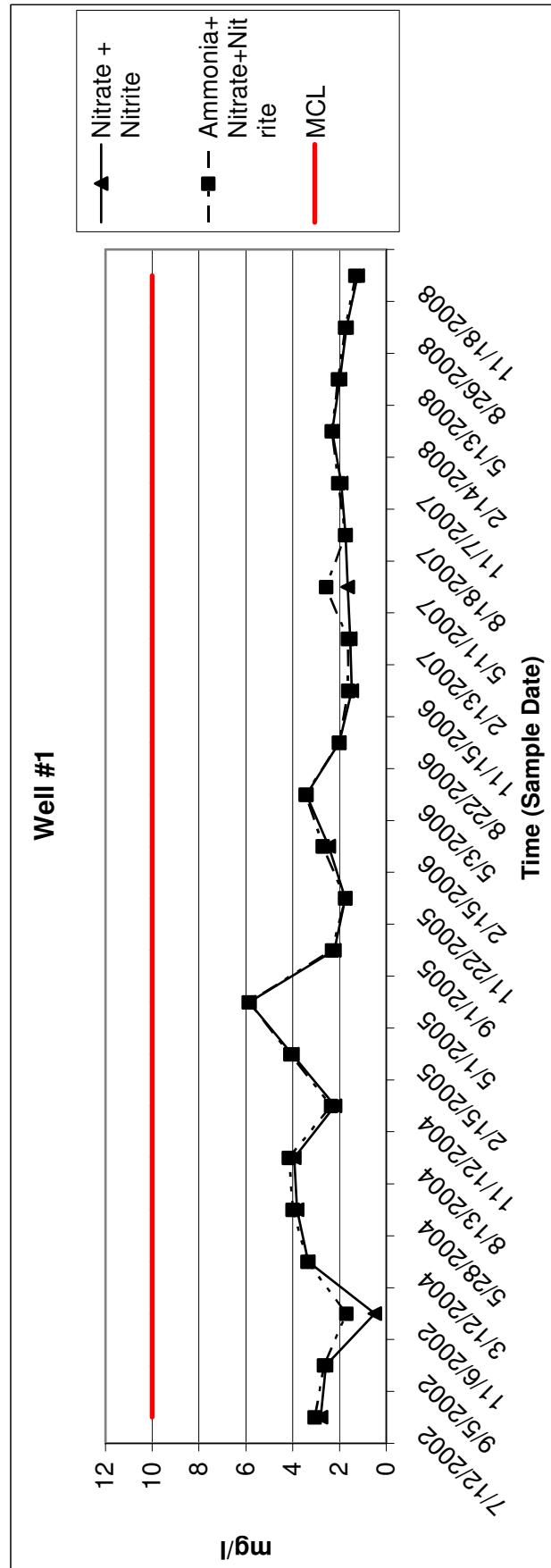
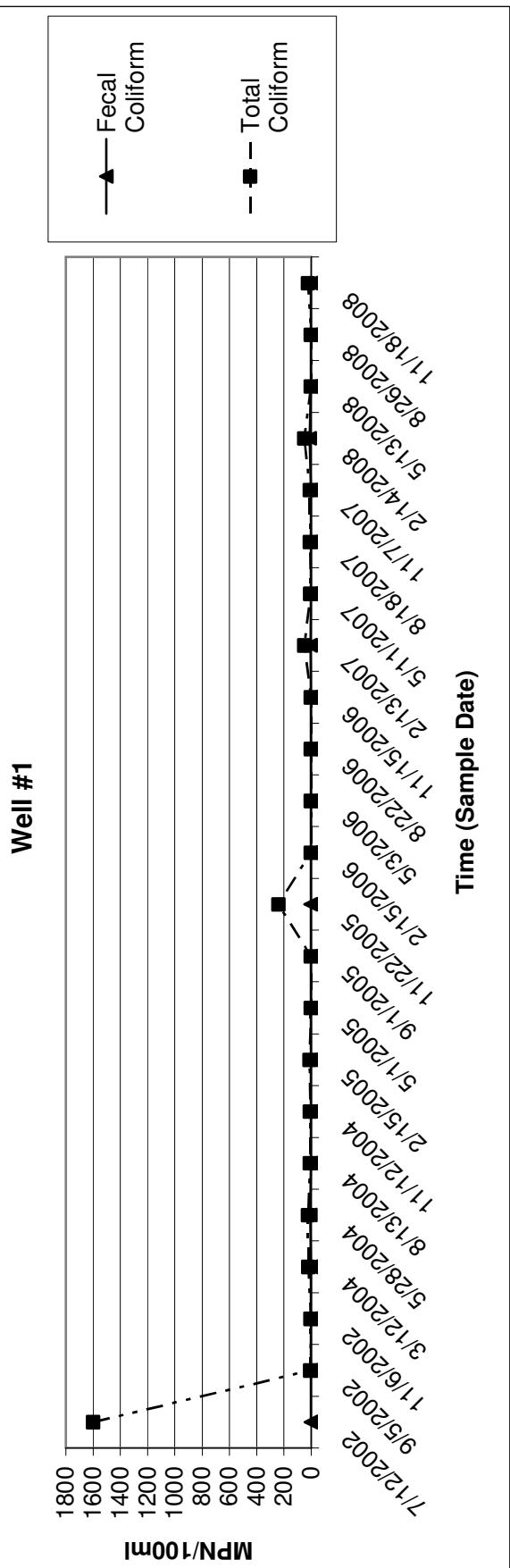
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### Malibu Country Mart III



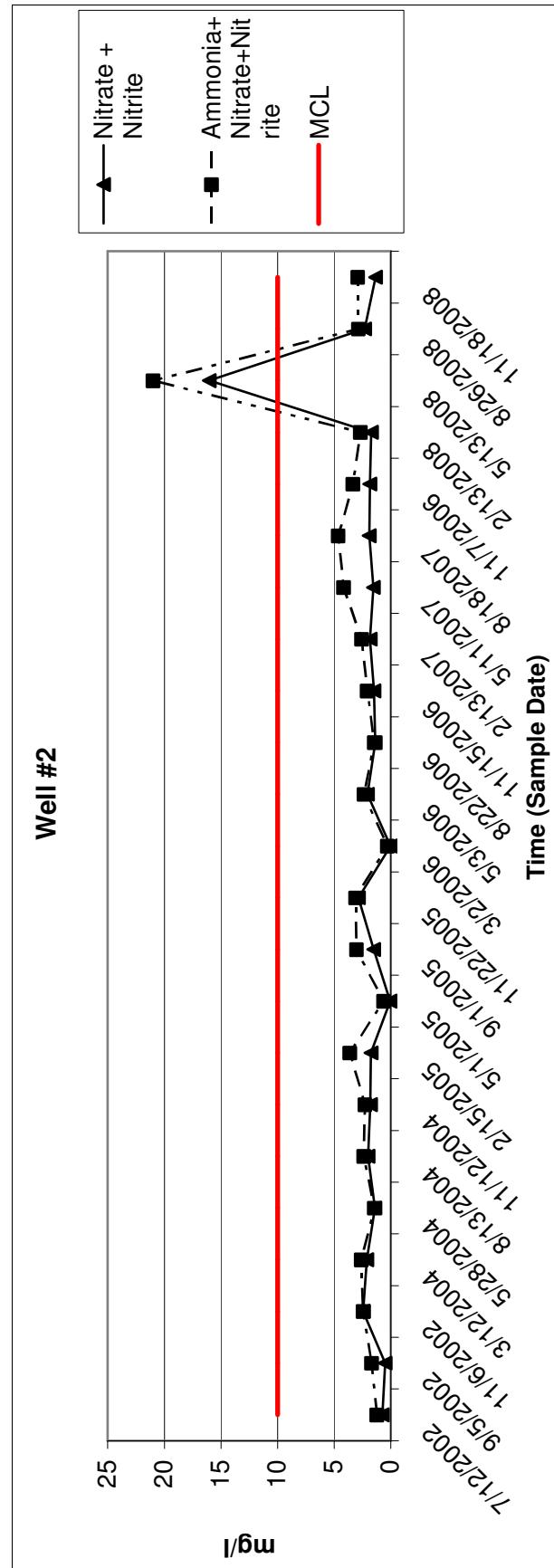
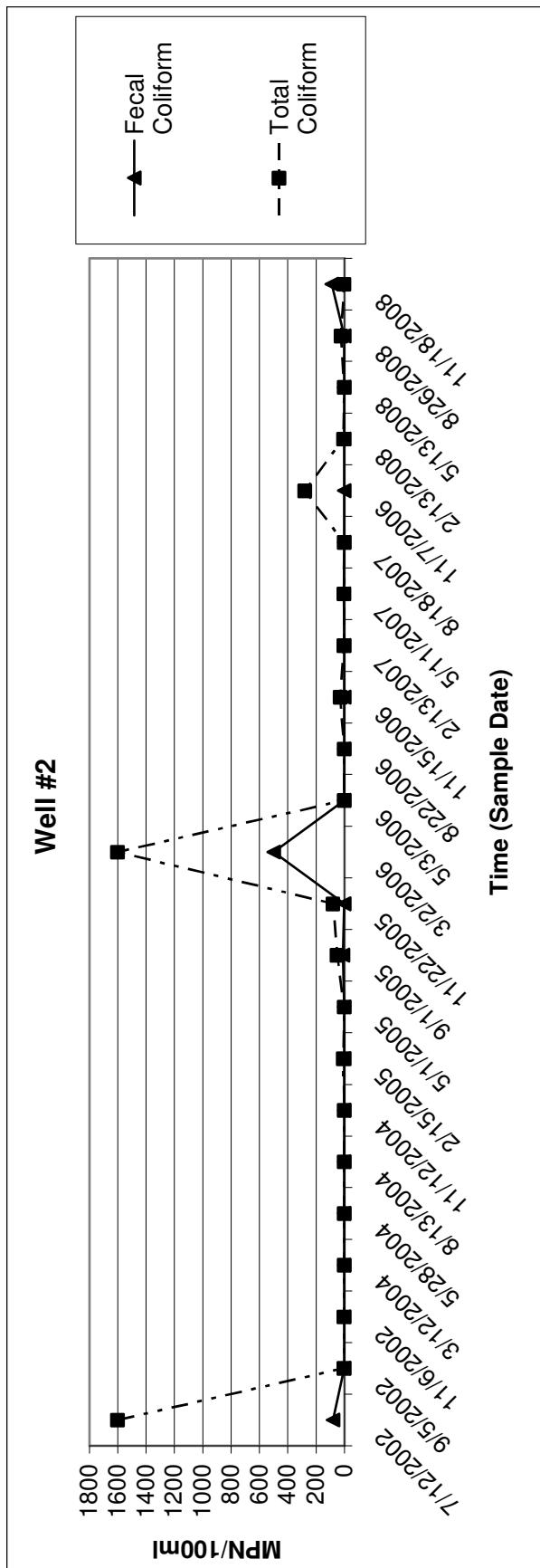
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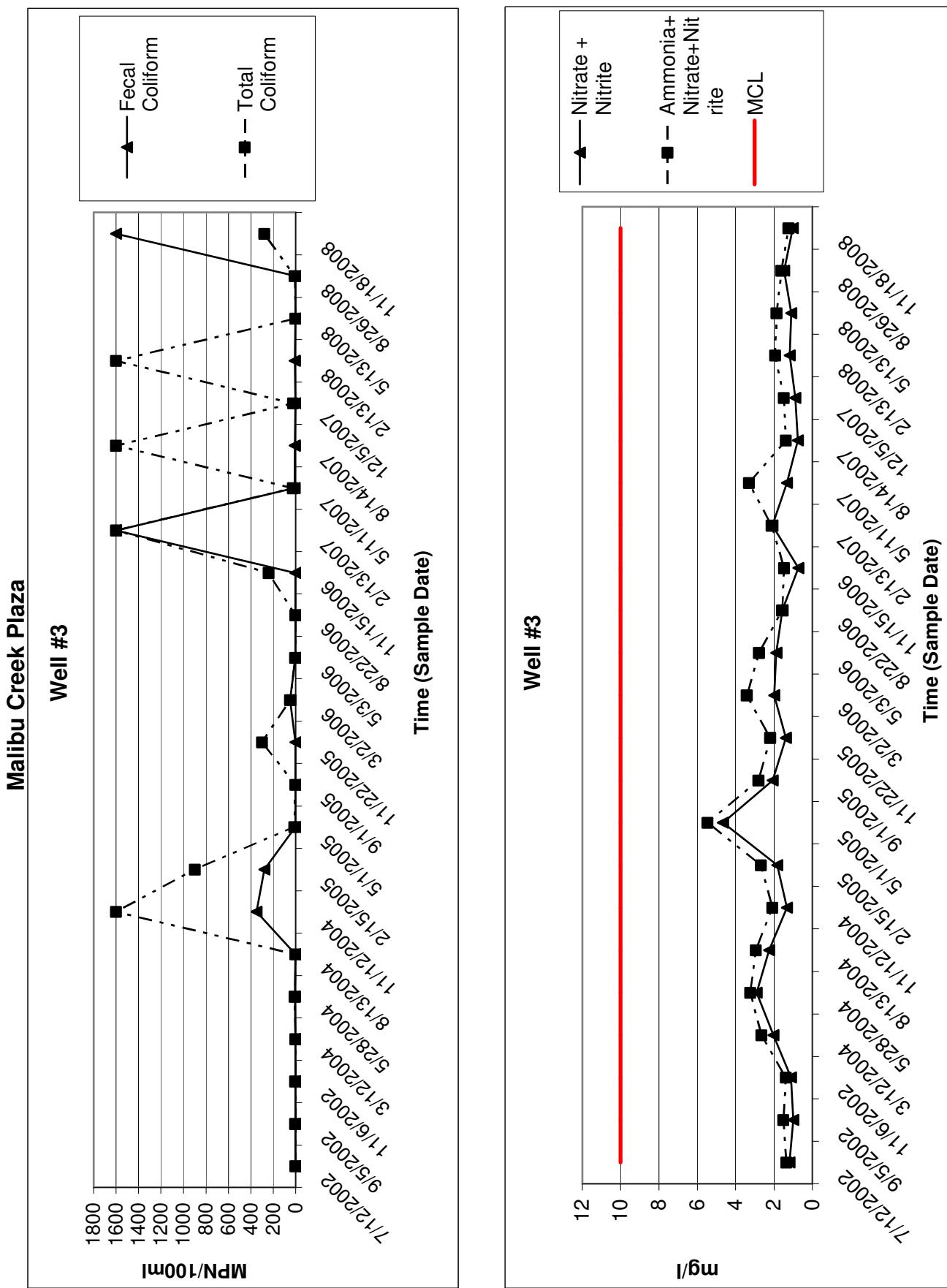


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### Malibu Creek Plaza

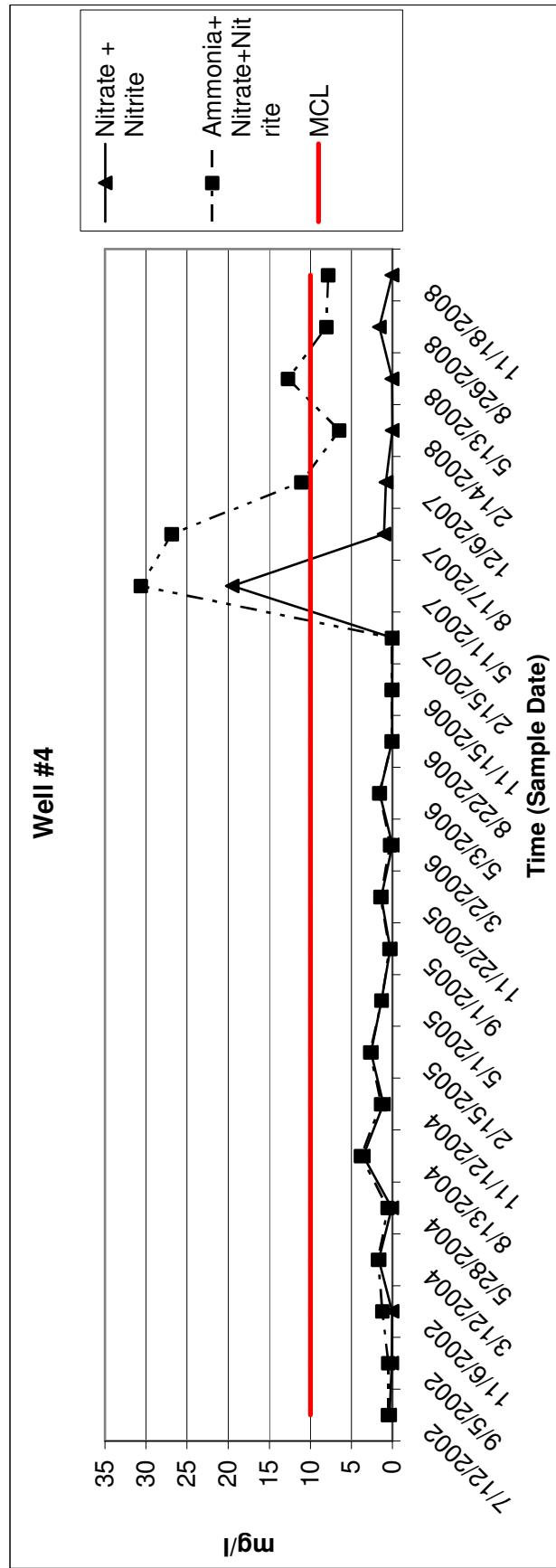
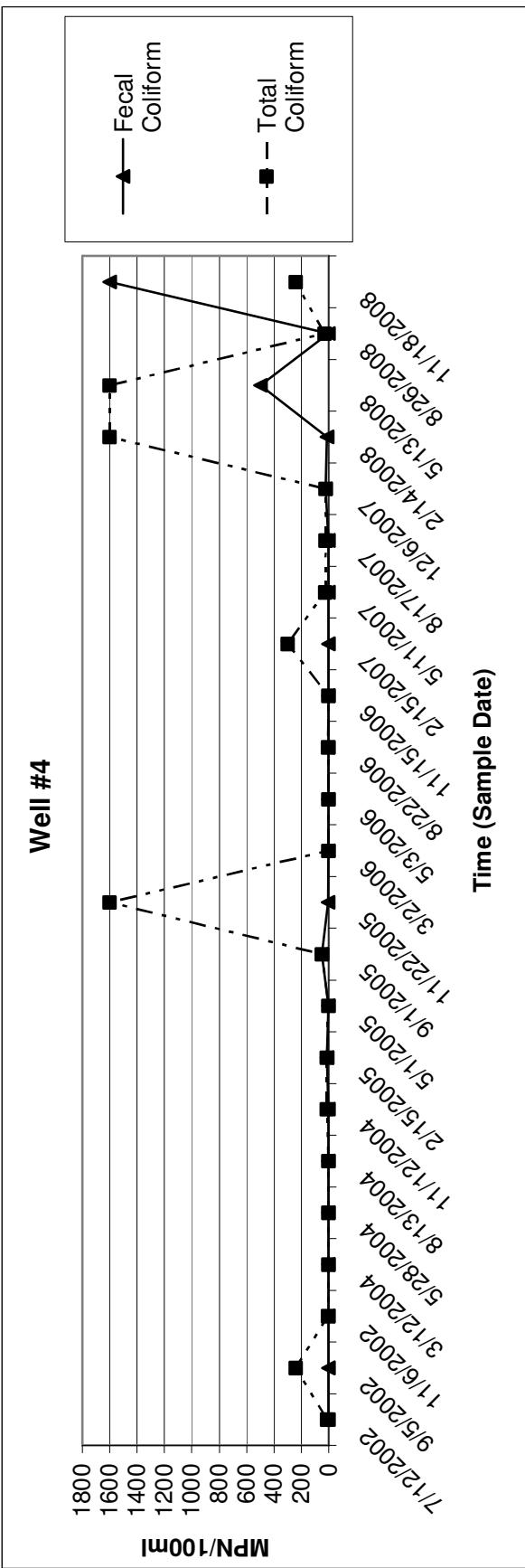


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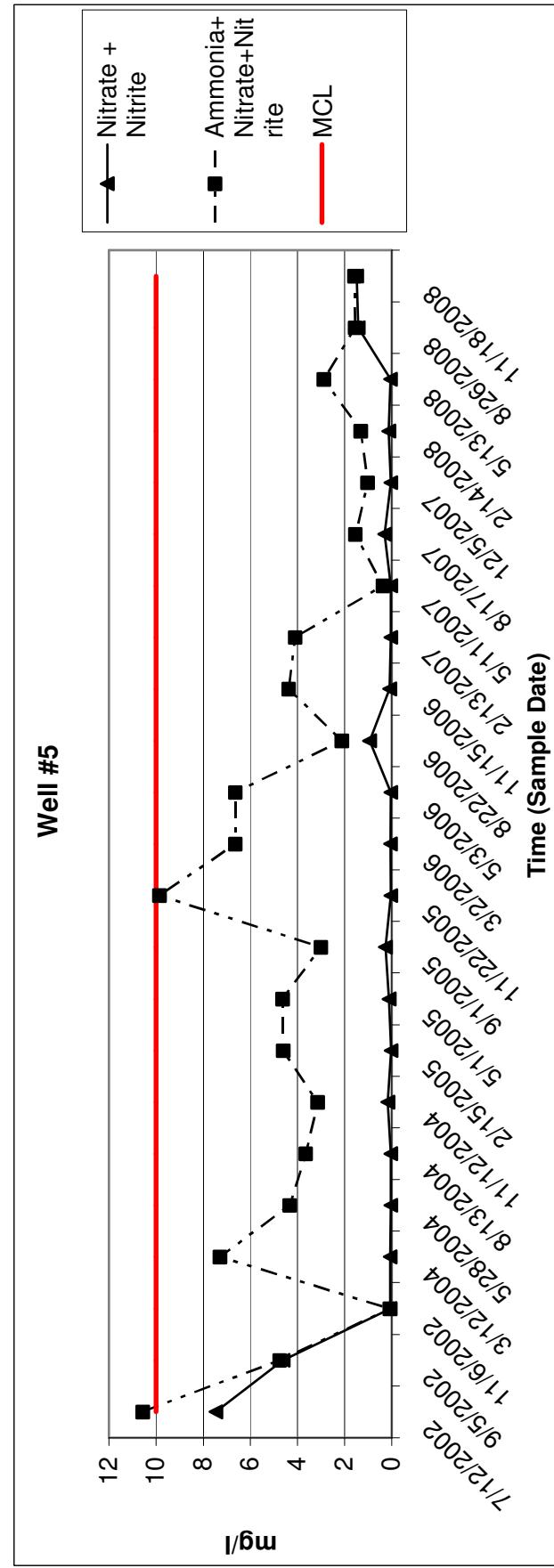
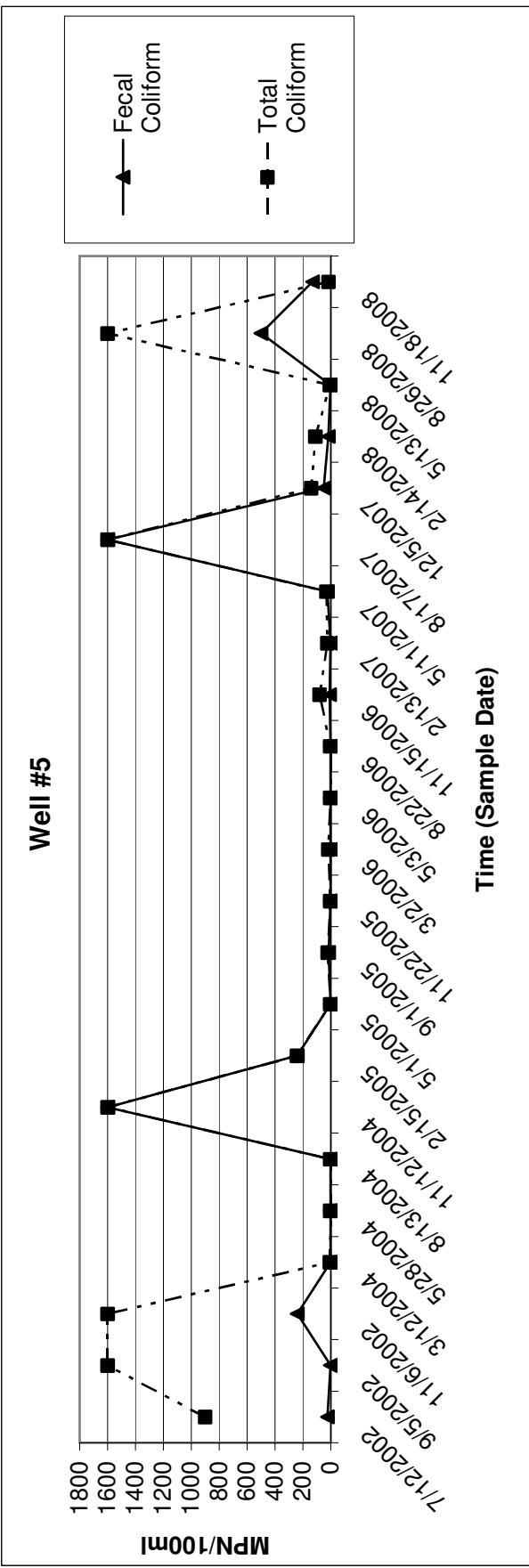
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### Malibu Creek Plaza

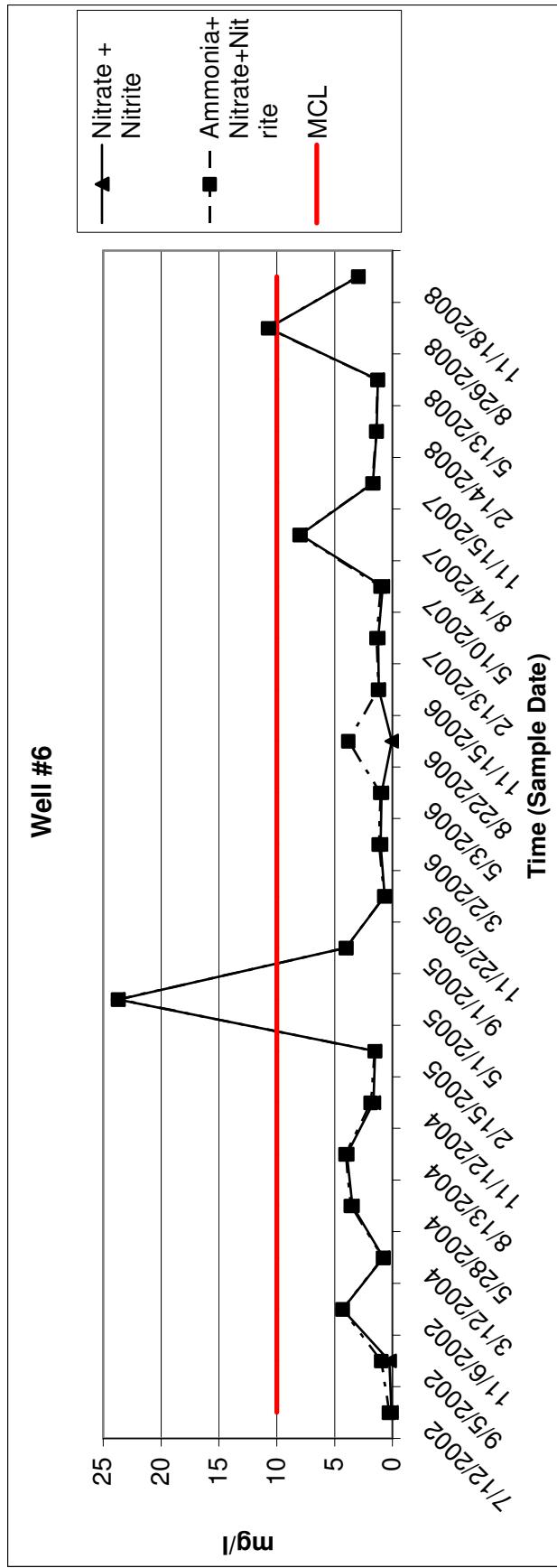
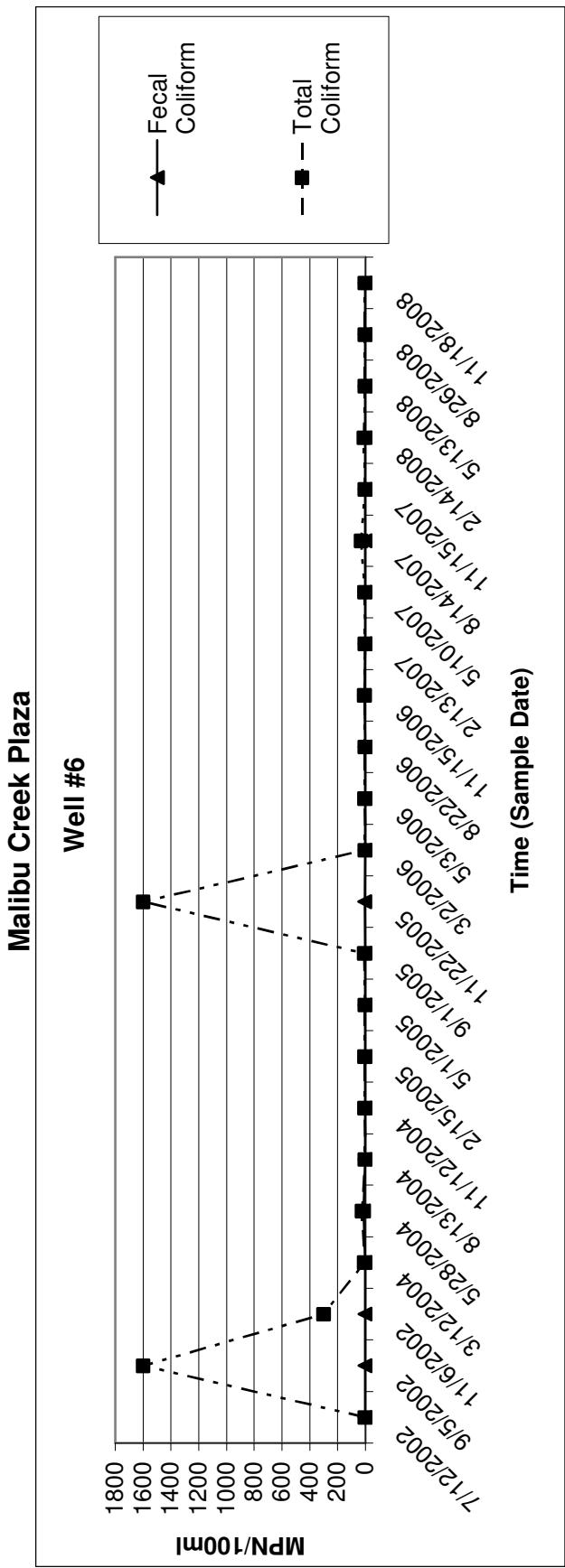


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### Malibu Creek Plaza

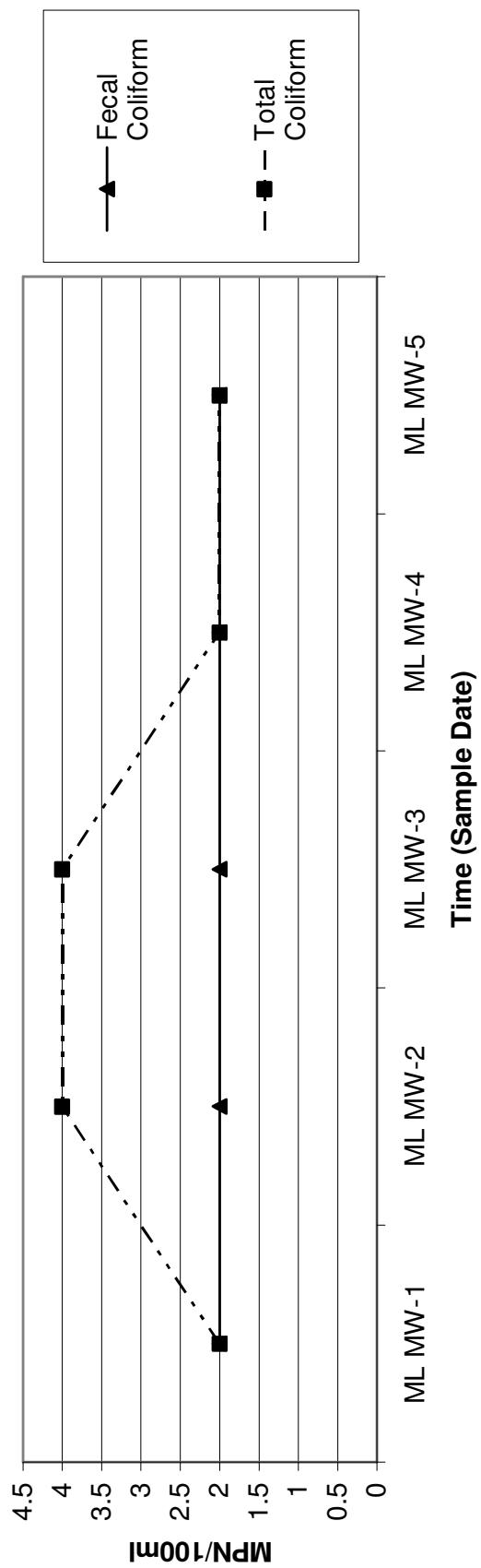


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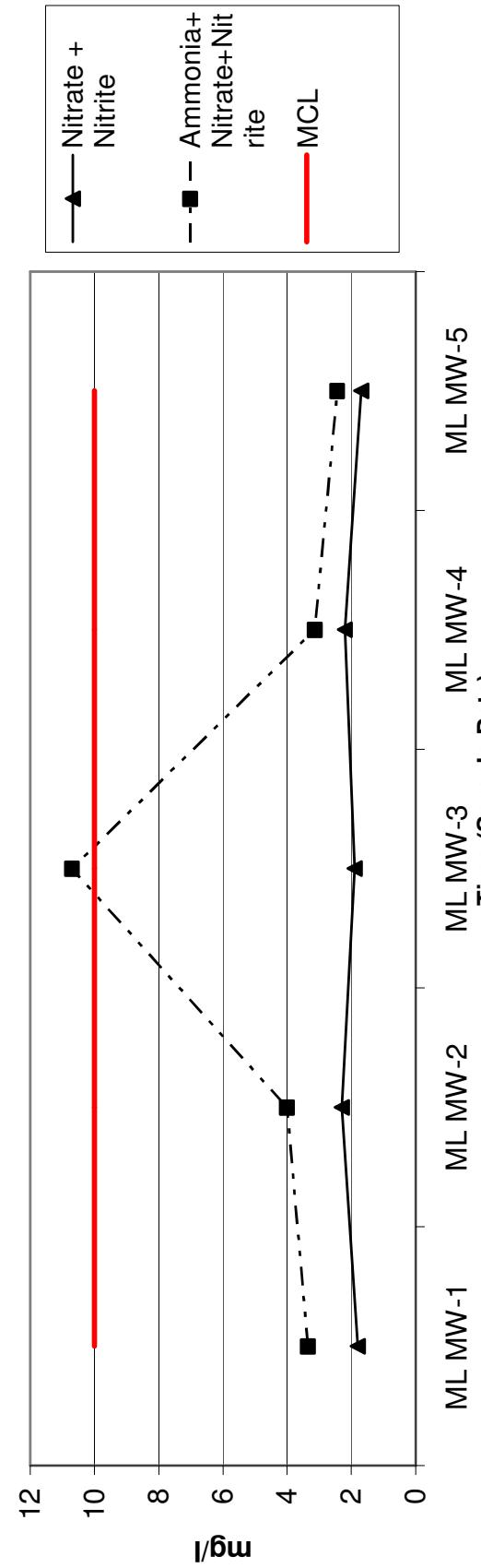


## Malibu Lumber

### ML MW-1, ML MW-2, ML MW-3, ML MW-4, ML MW-5



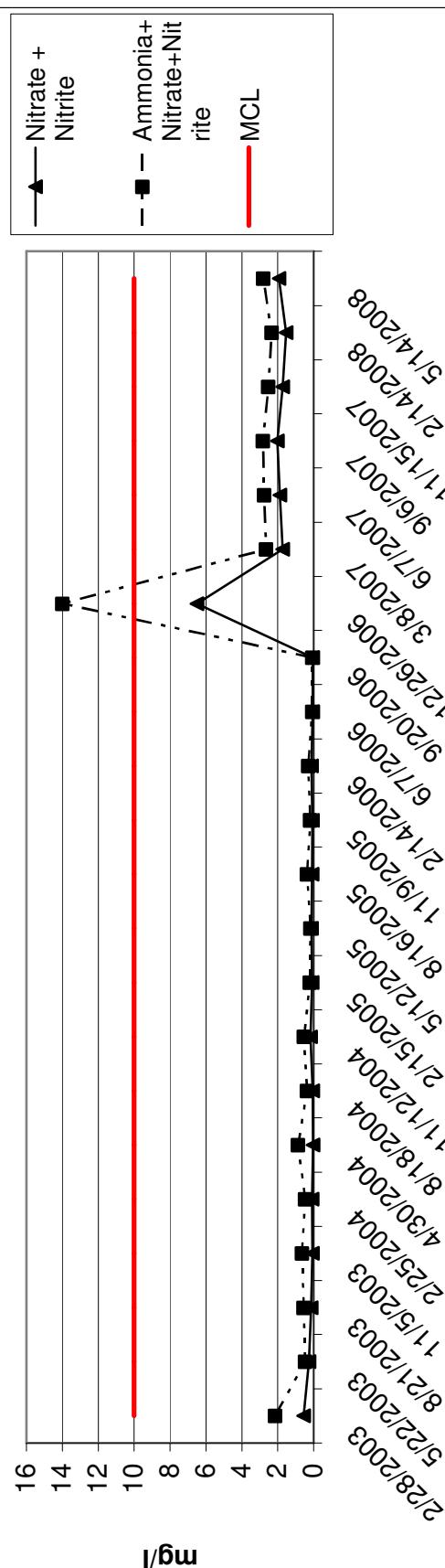
### ML MW-1, ML MW-2, ML MW-3, ML MW-4, ML MW-5



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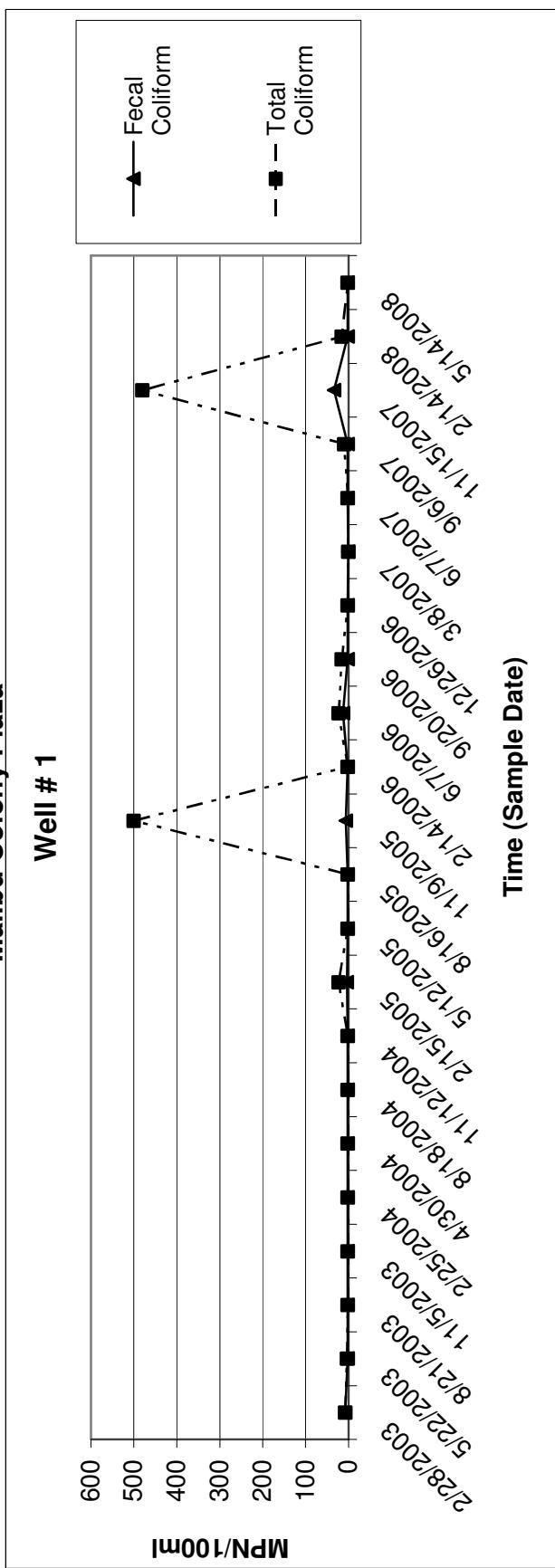
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Time (Sample Date)



Well # 1

Time (Sample Date)

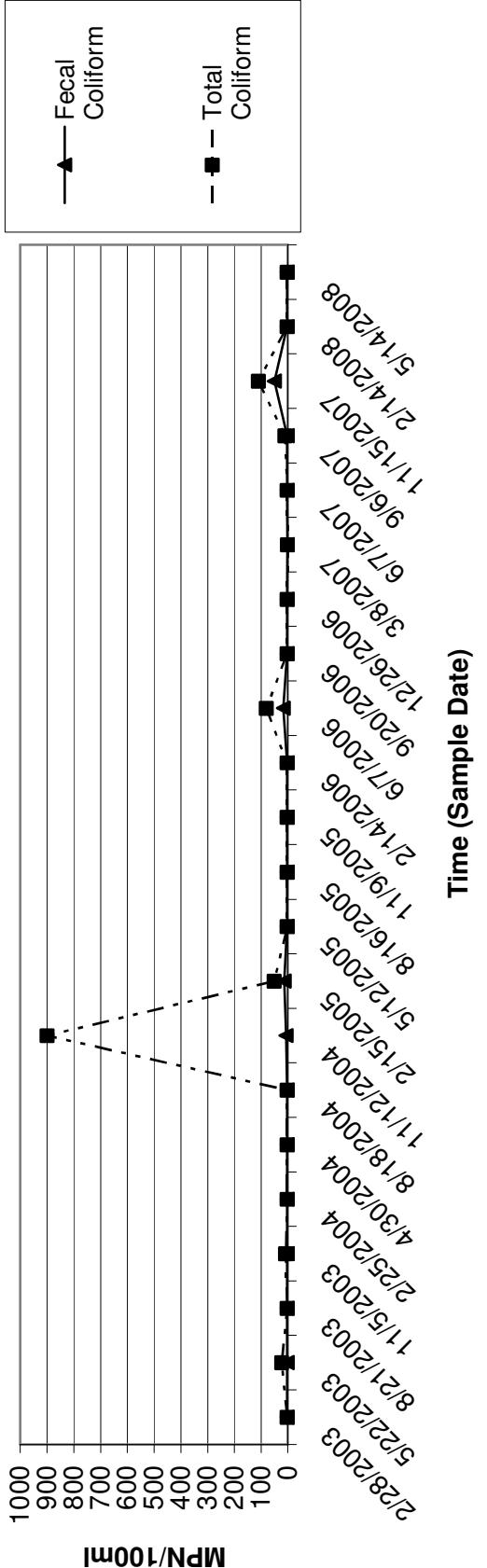


Malibu Colony Plaza

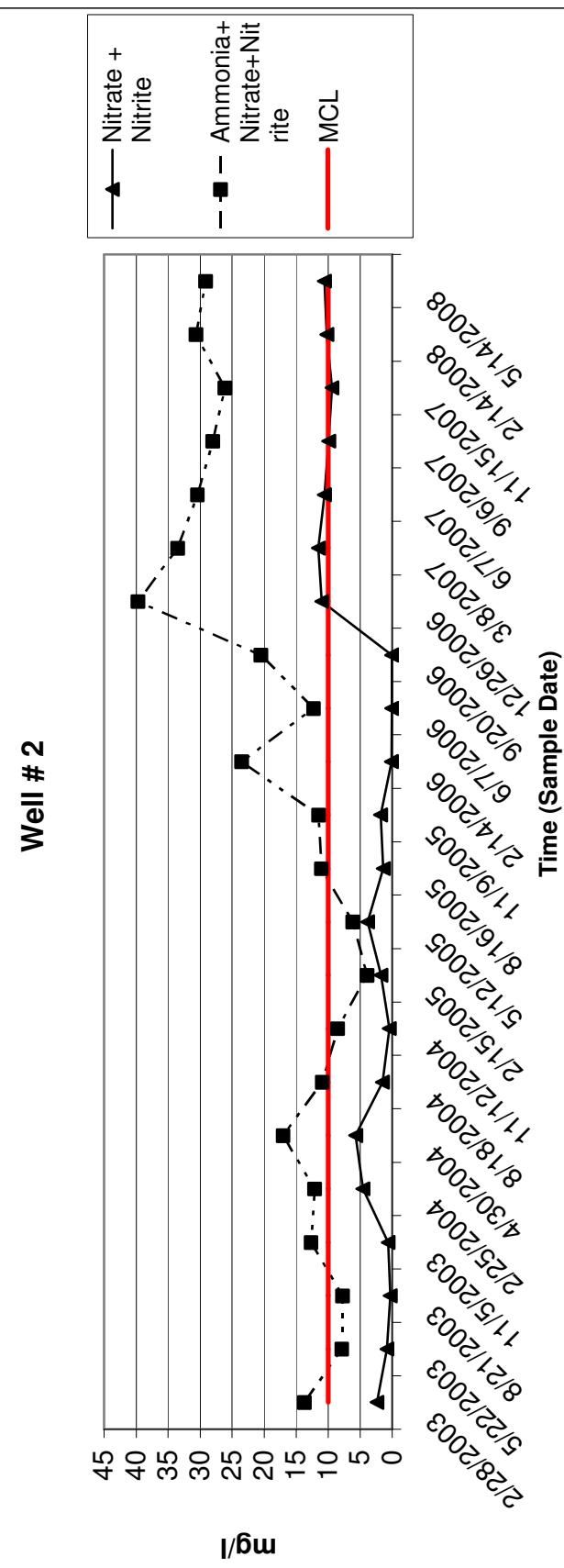
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## Malibu Colony Plaza

### Well # 2



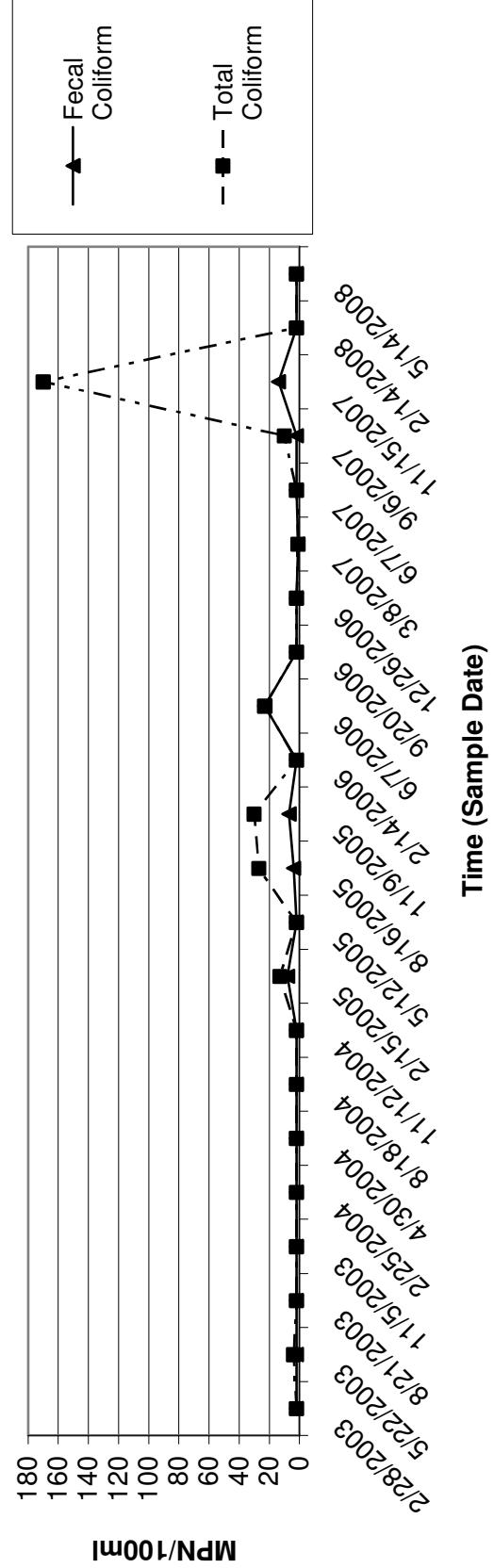
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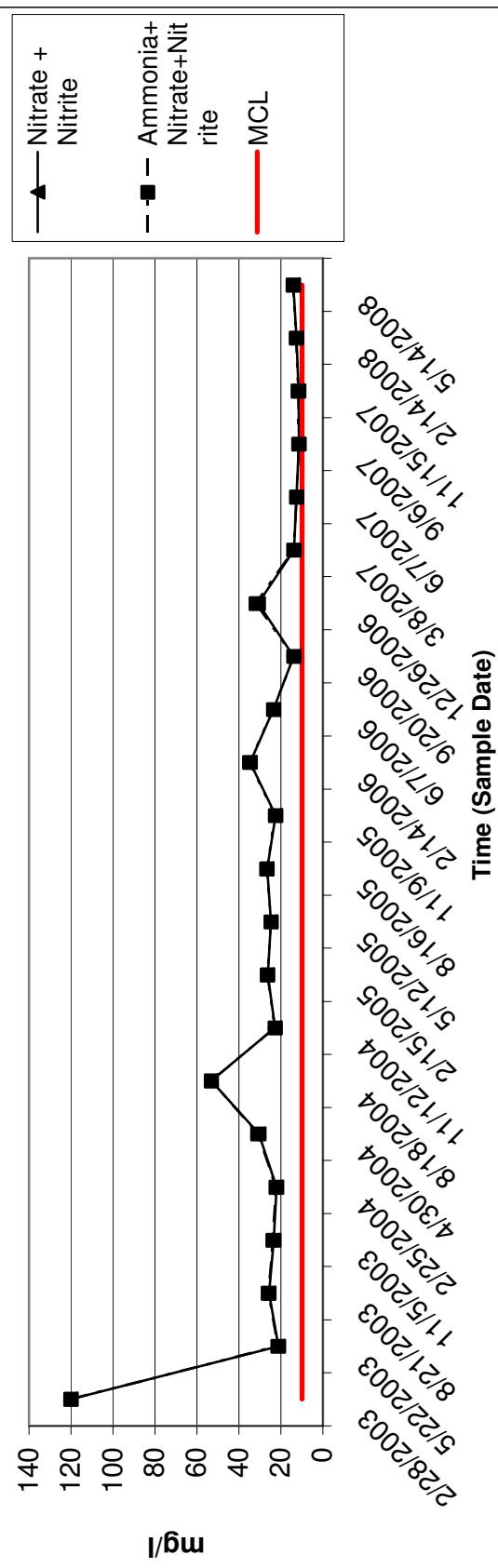
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### Malibu Colony Plaza

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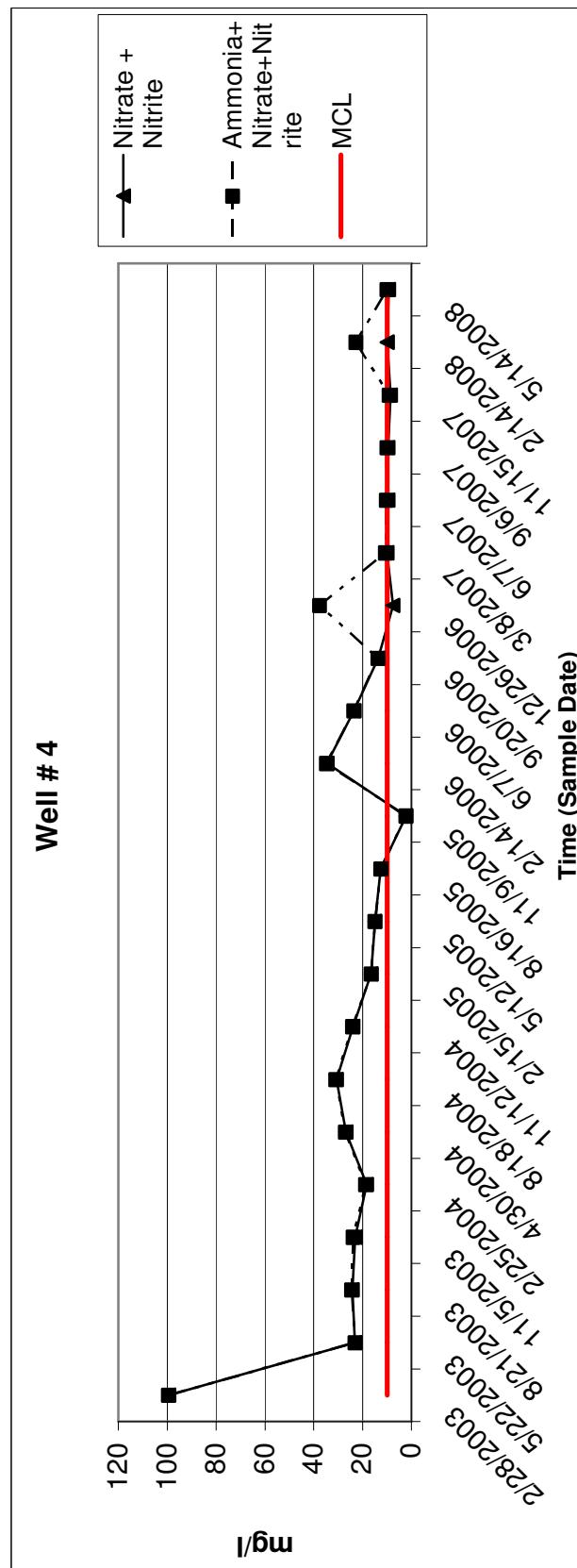
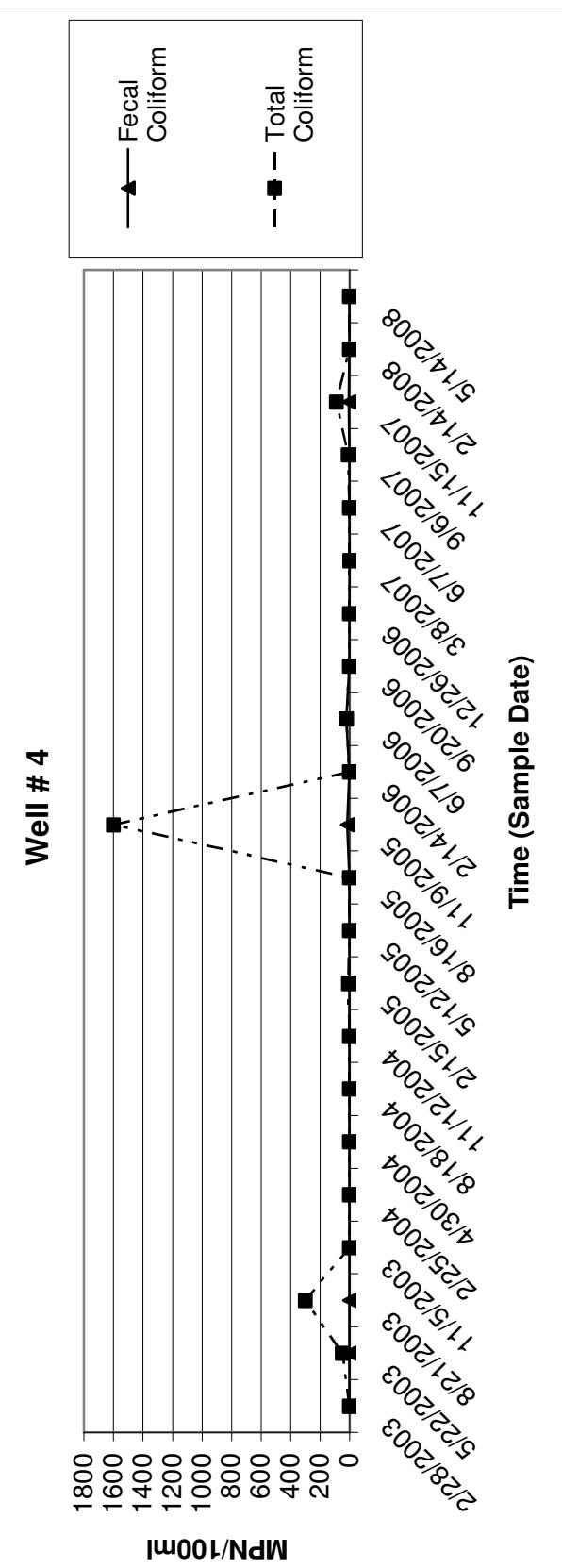


#### Well # 3



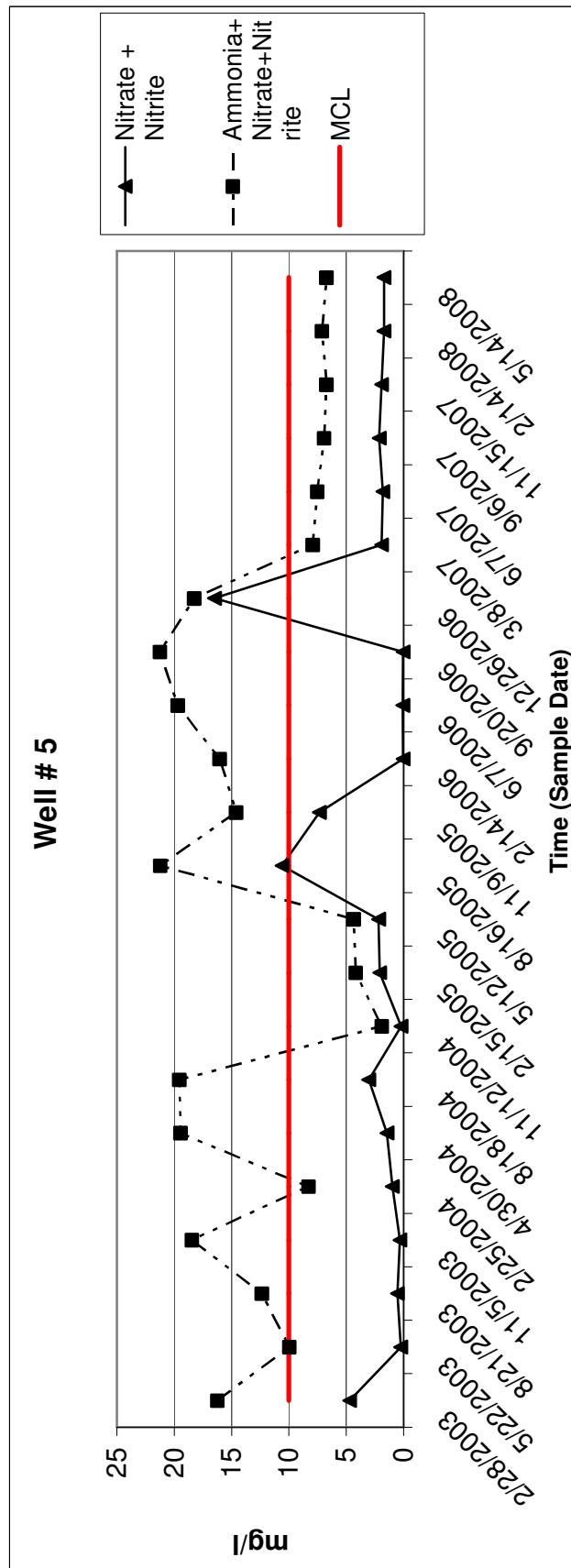
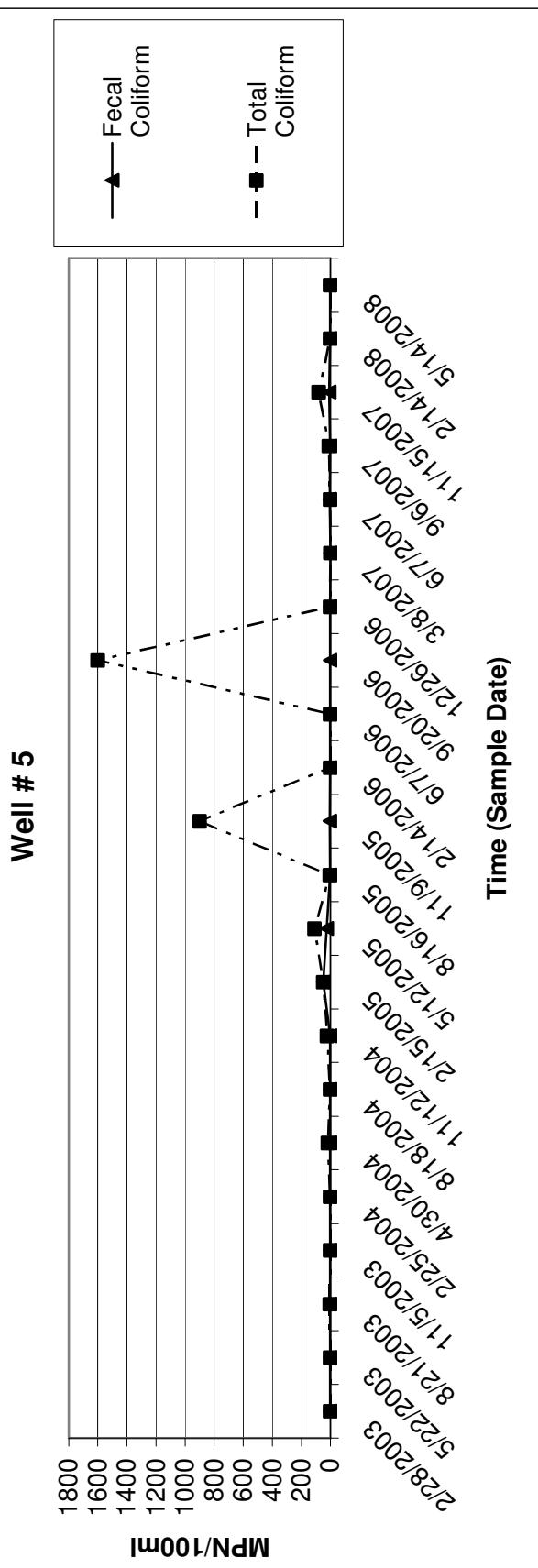
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### Malibu Colony Plaza



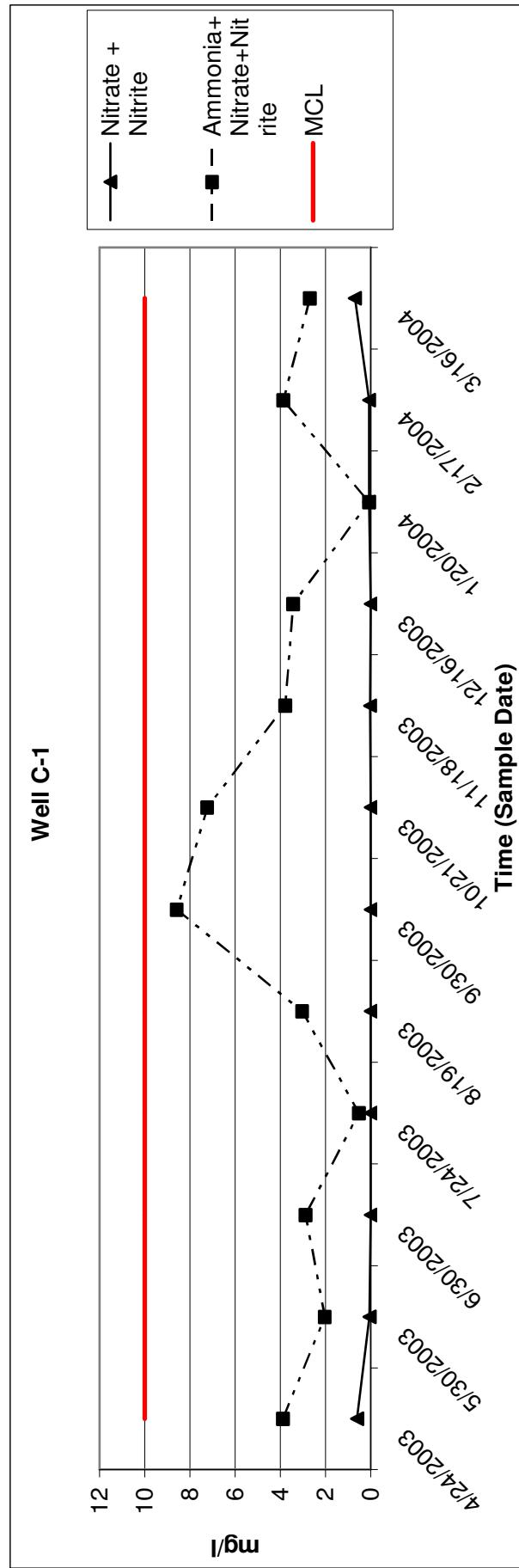
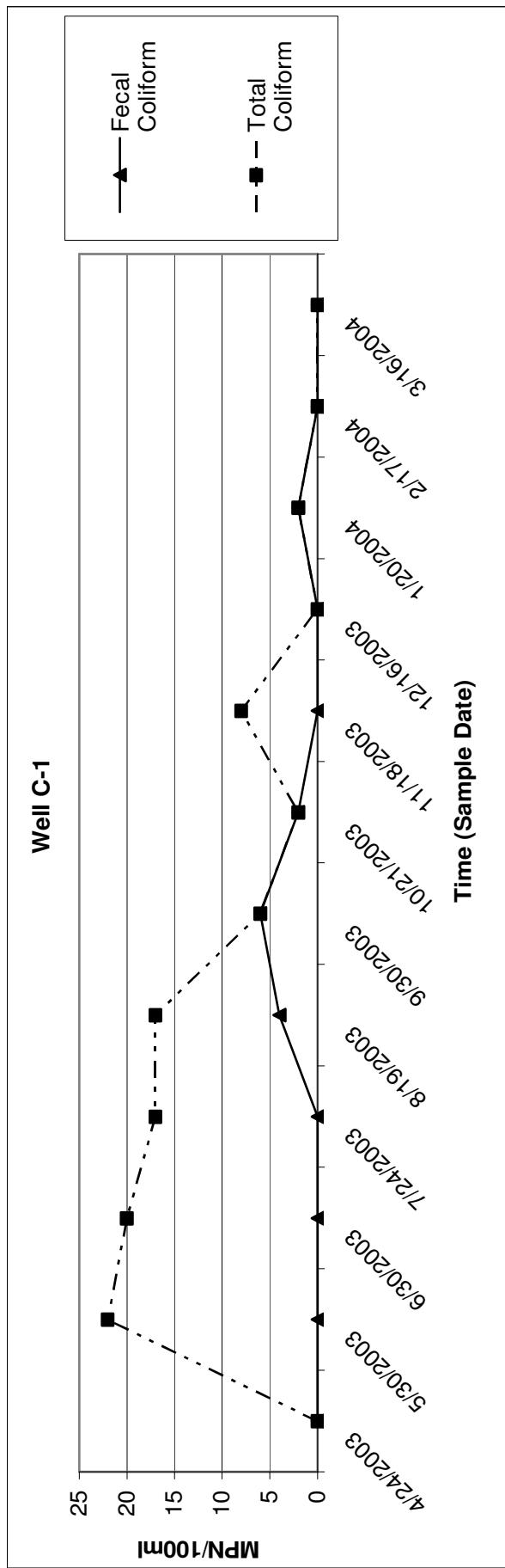
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### Malibu Colony Plaza



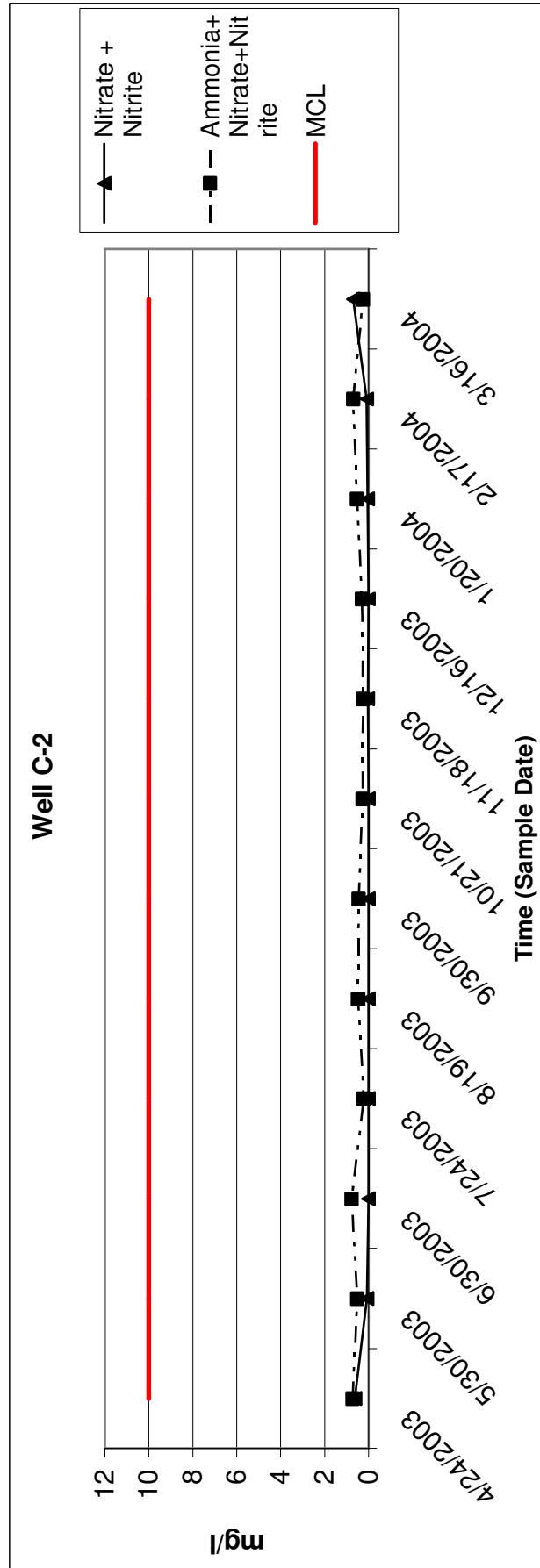
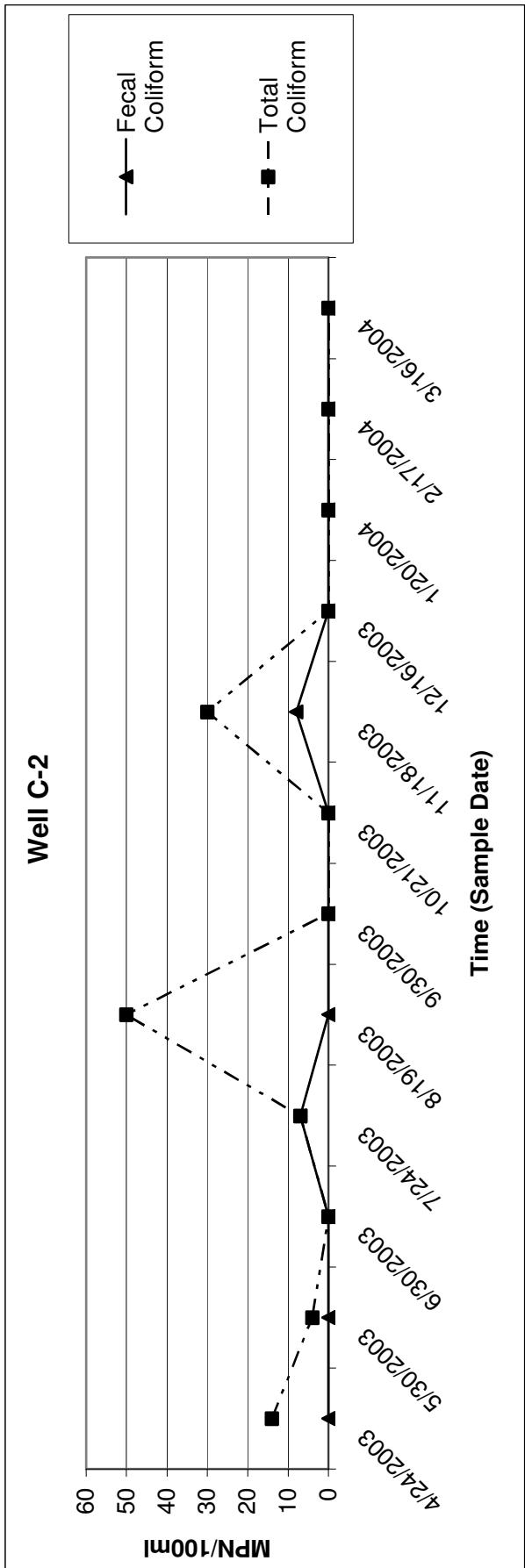
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### Malibu Civic Center Area



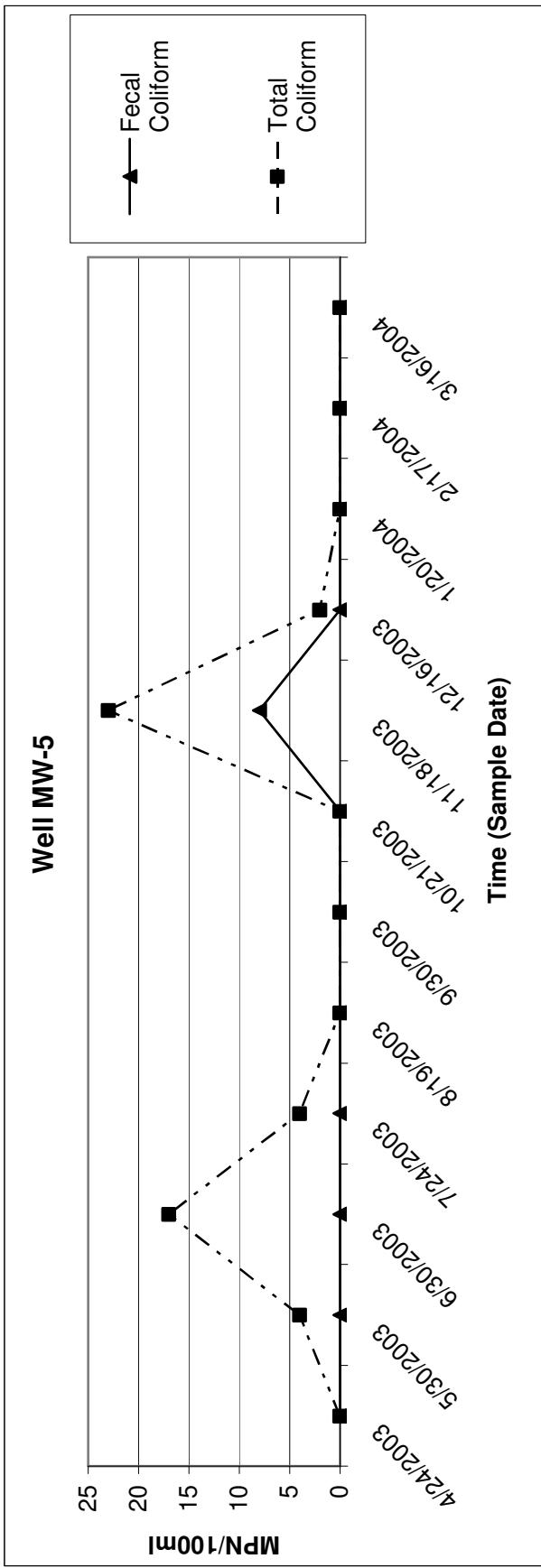
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### Malibu Civic Center Area

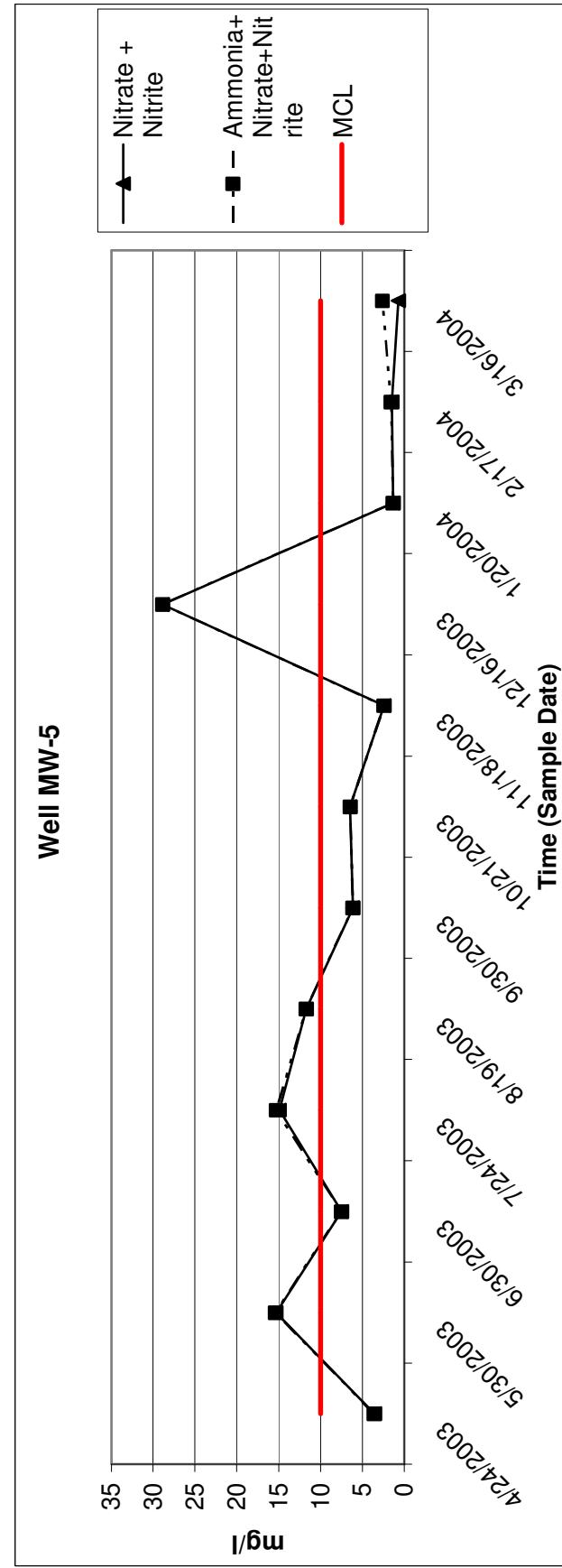


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### Malibu Civic Center Area

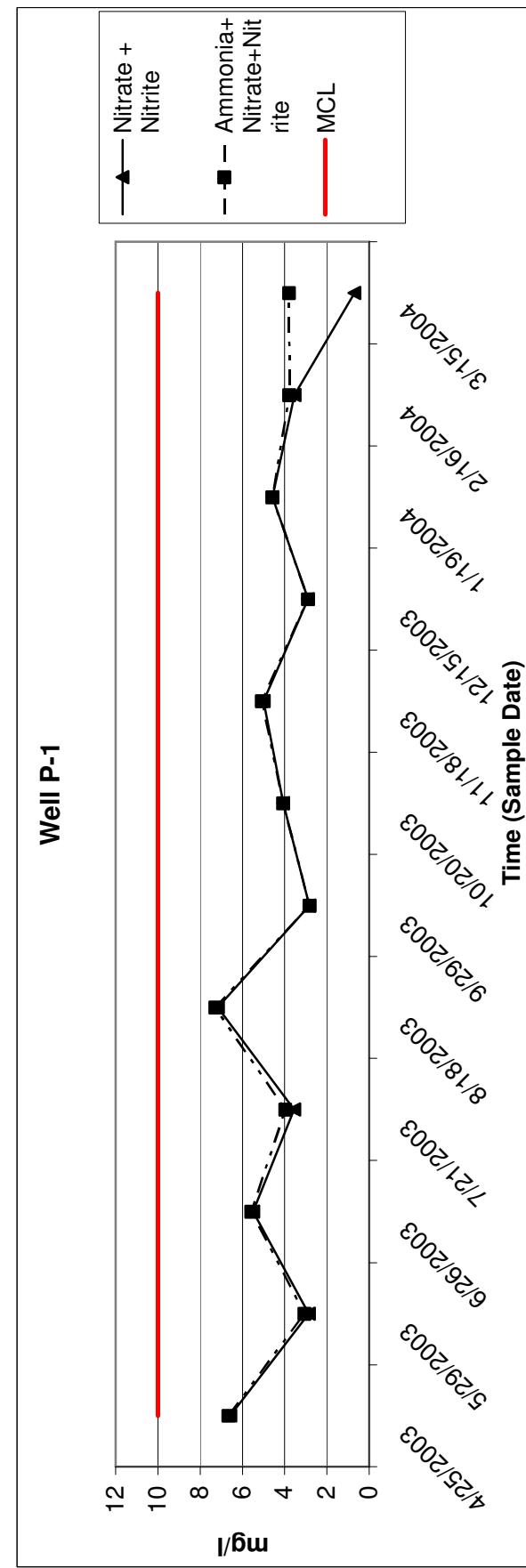
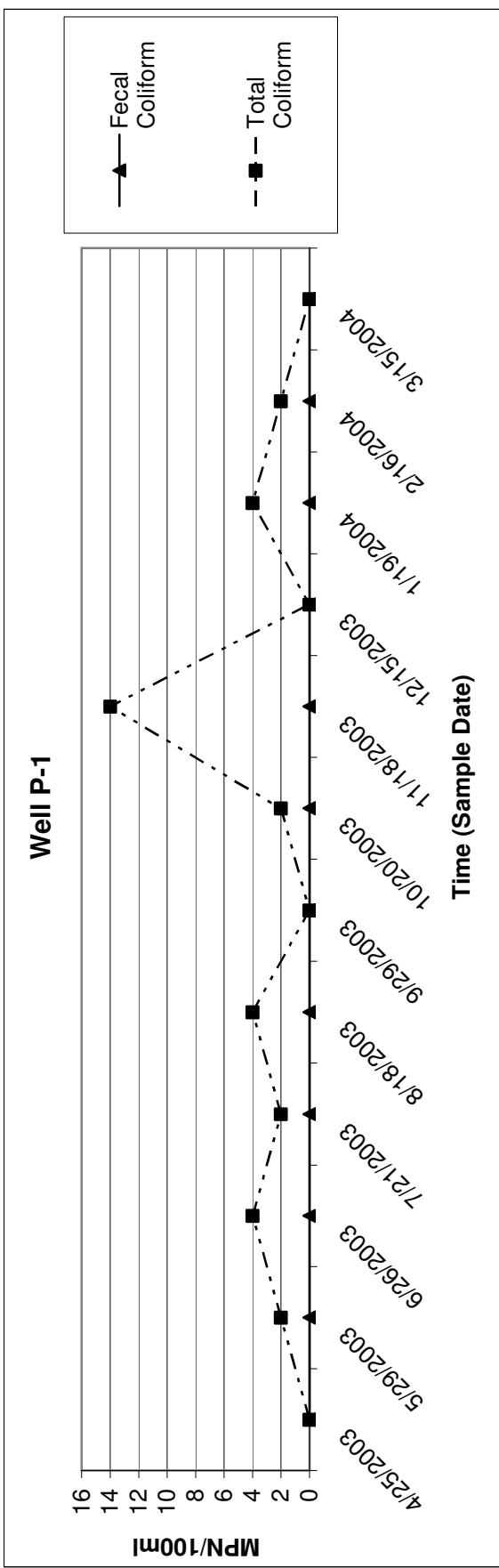


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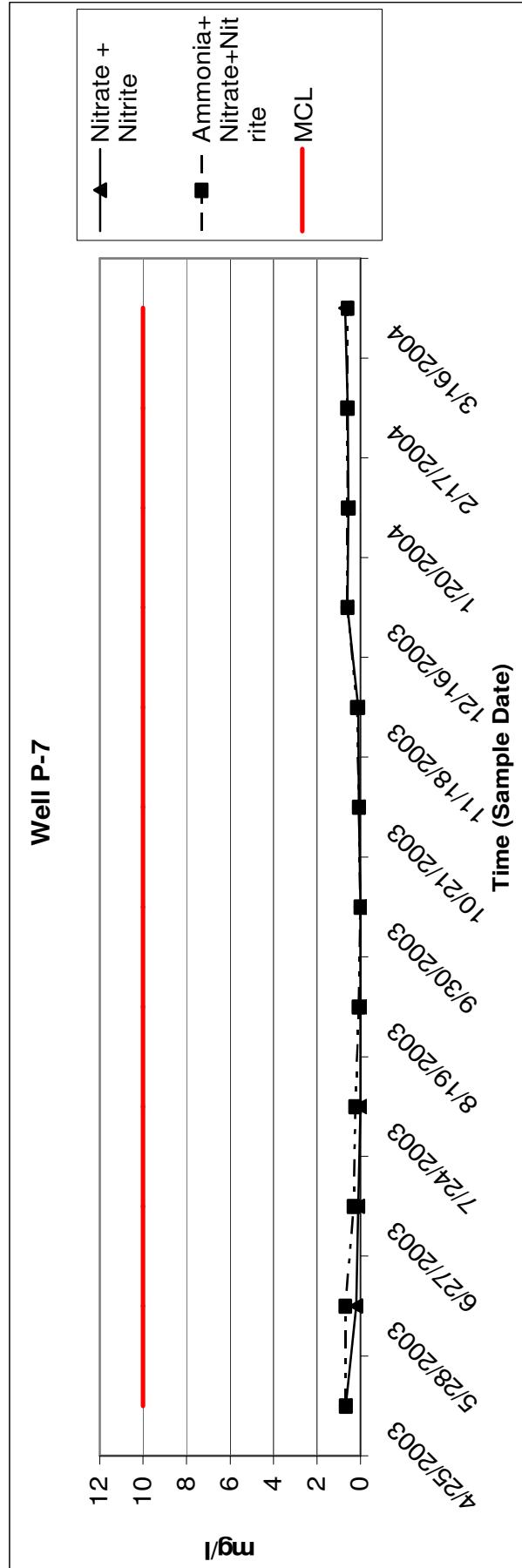
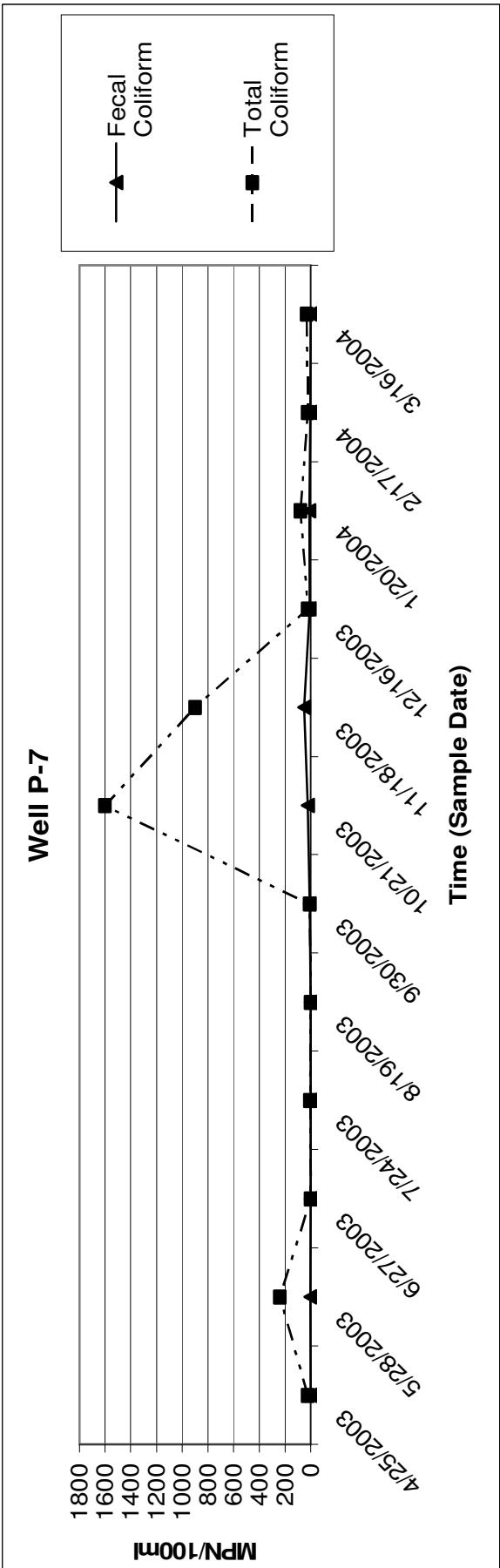
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### Malibu Civic Center Area



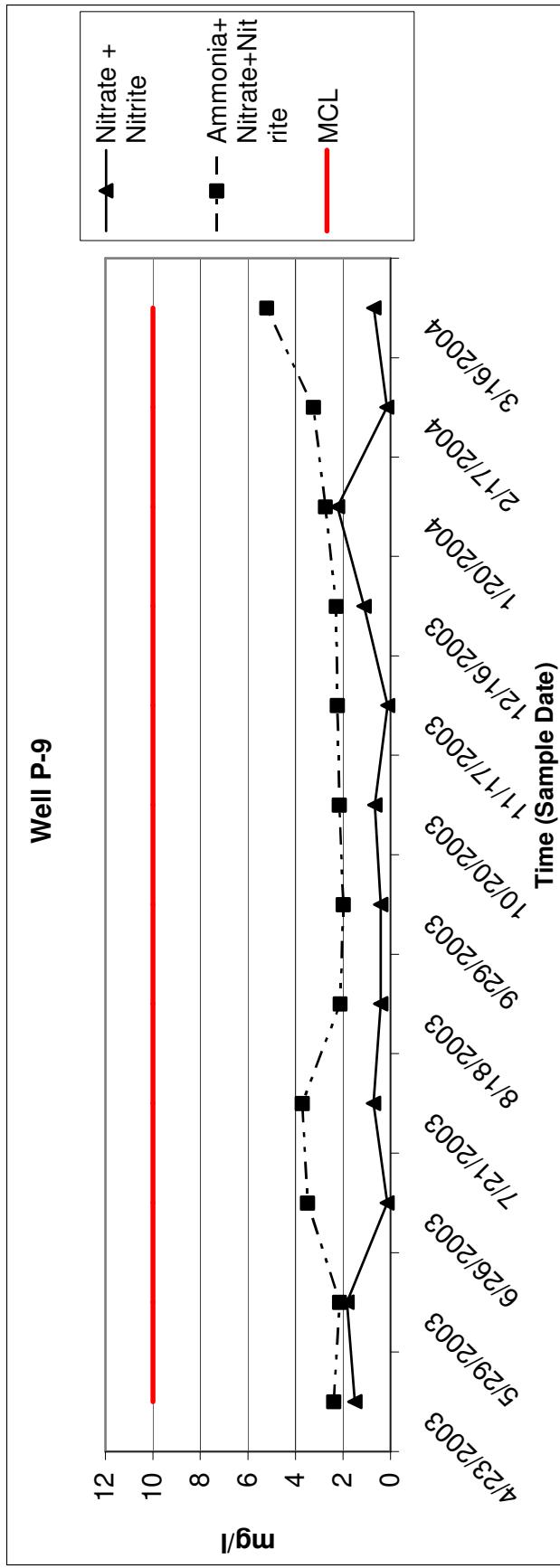
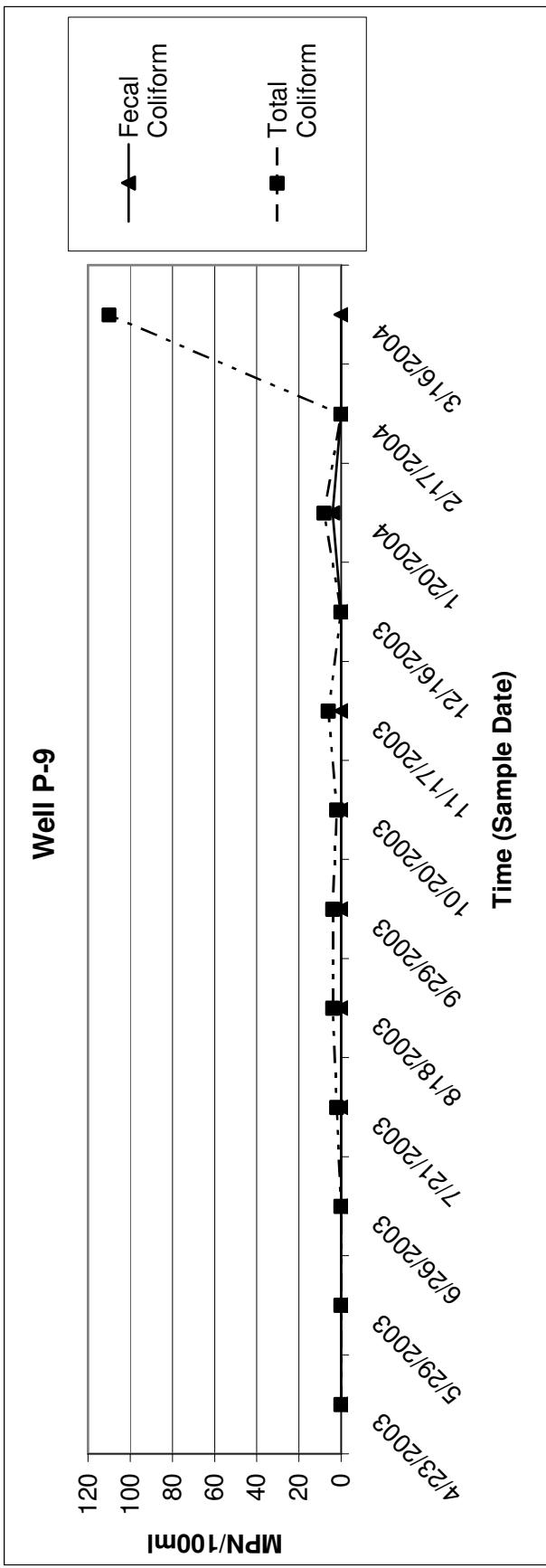
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### Malibu Civic Center Area



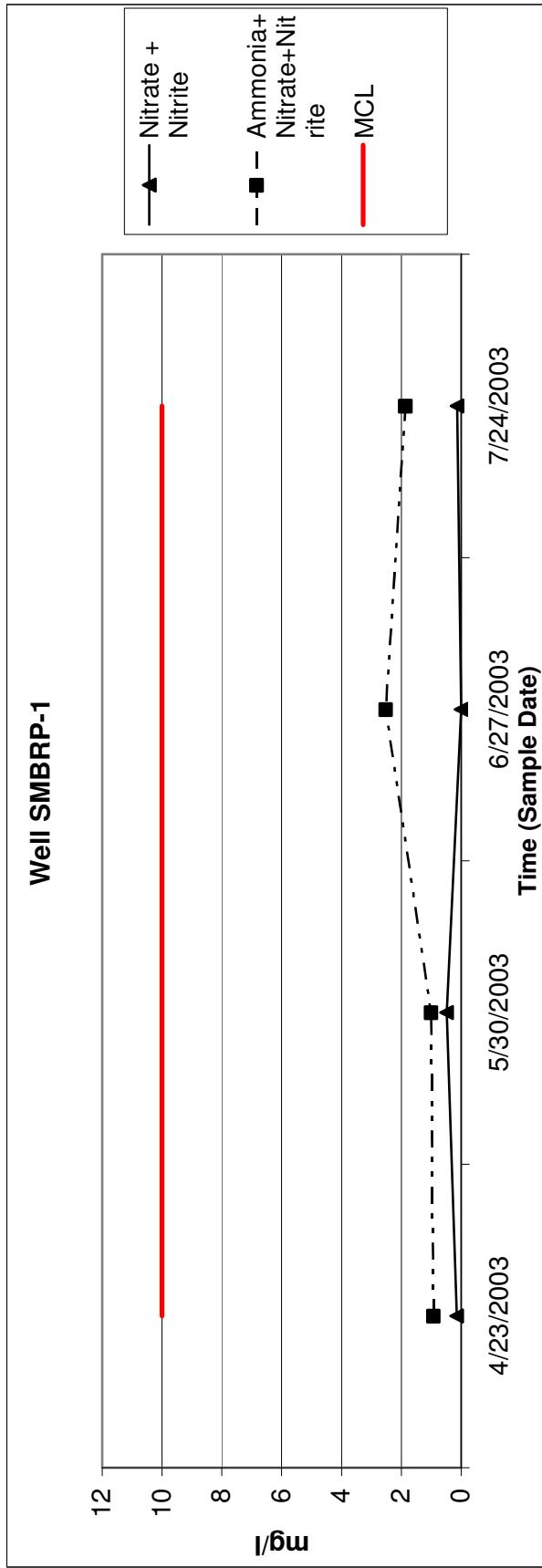
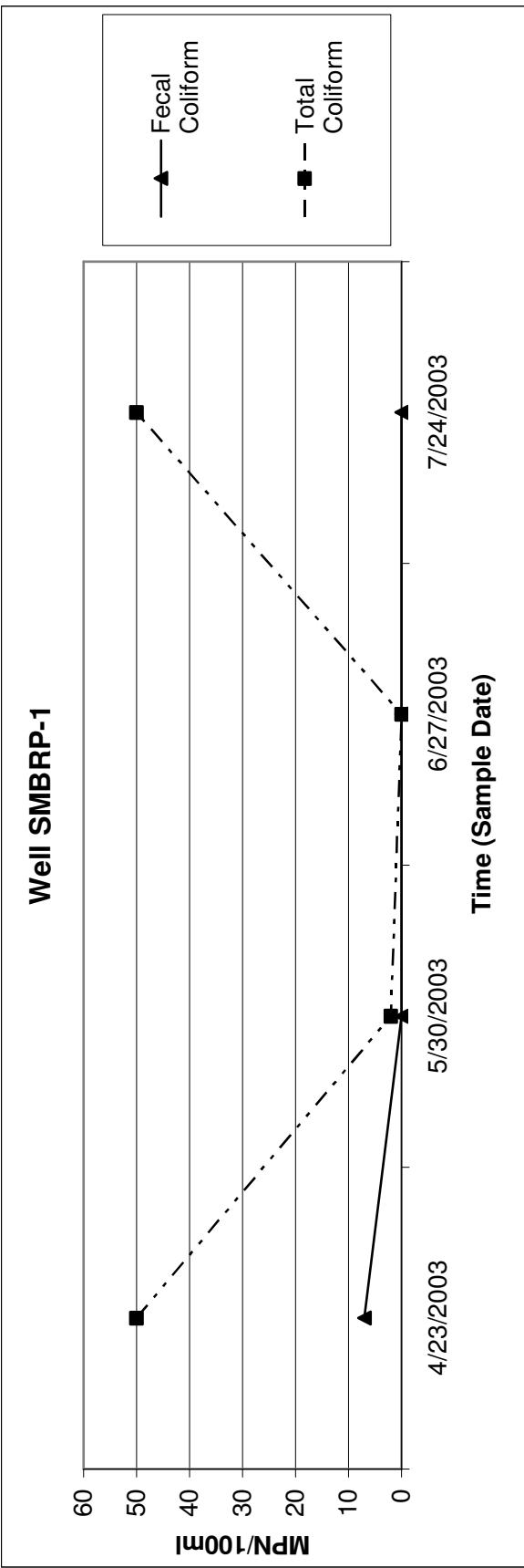
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### Malibu Civic Center Area

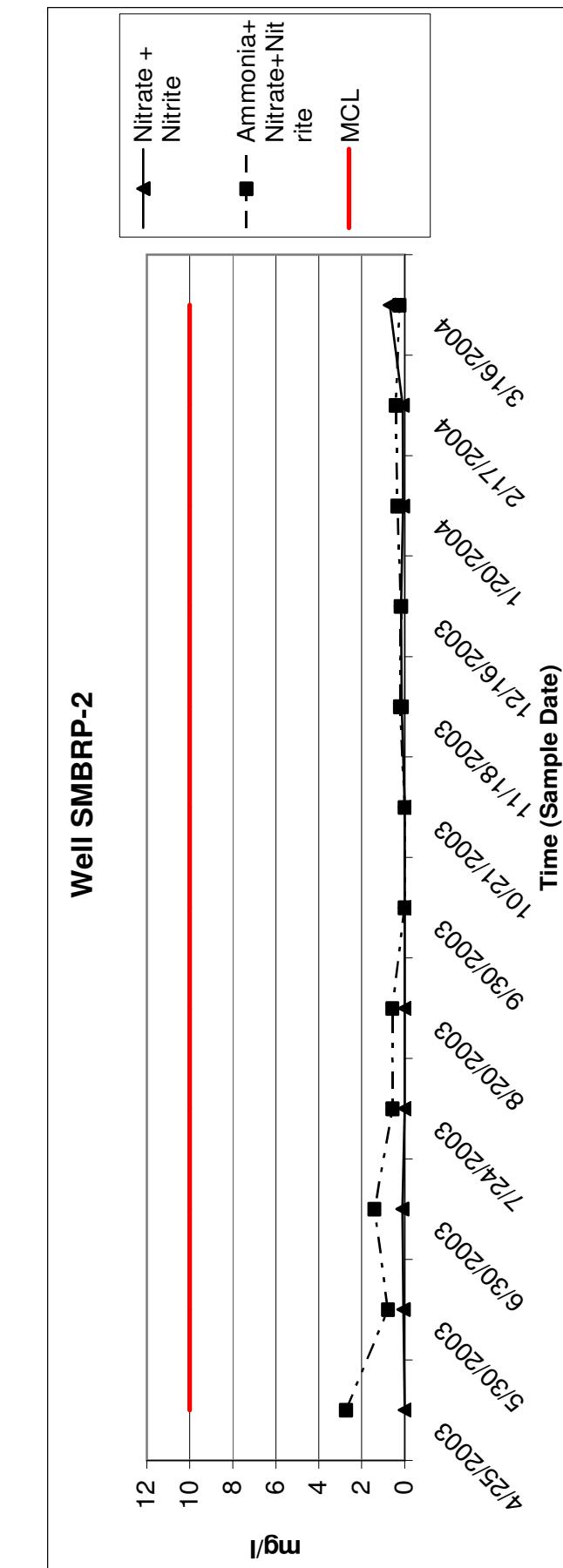
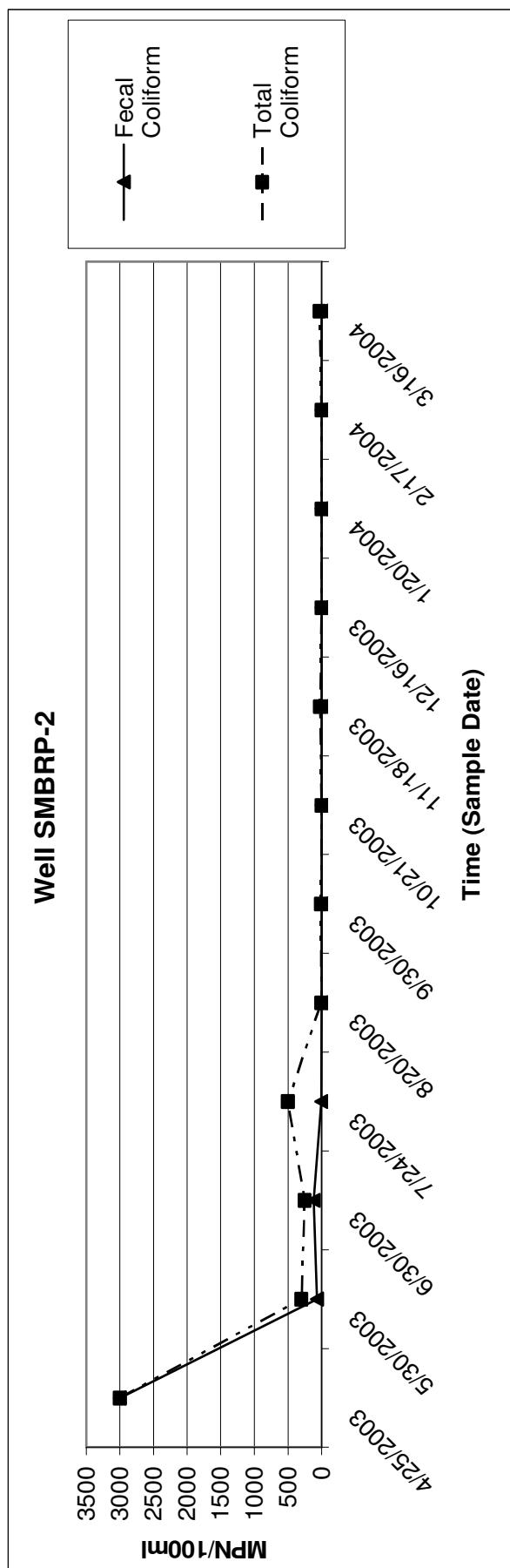


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### Malibu Civic Center Area

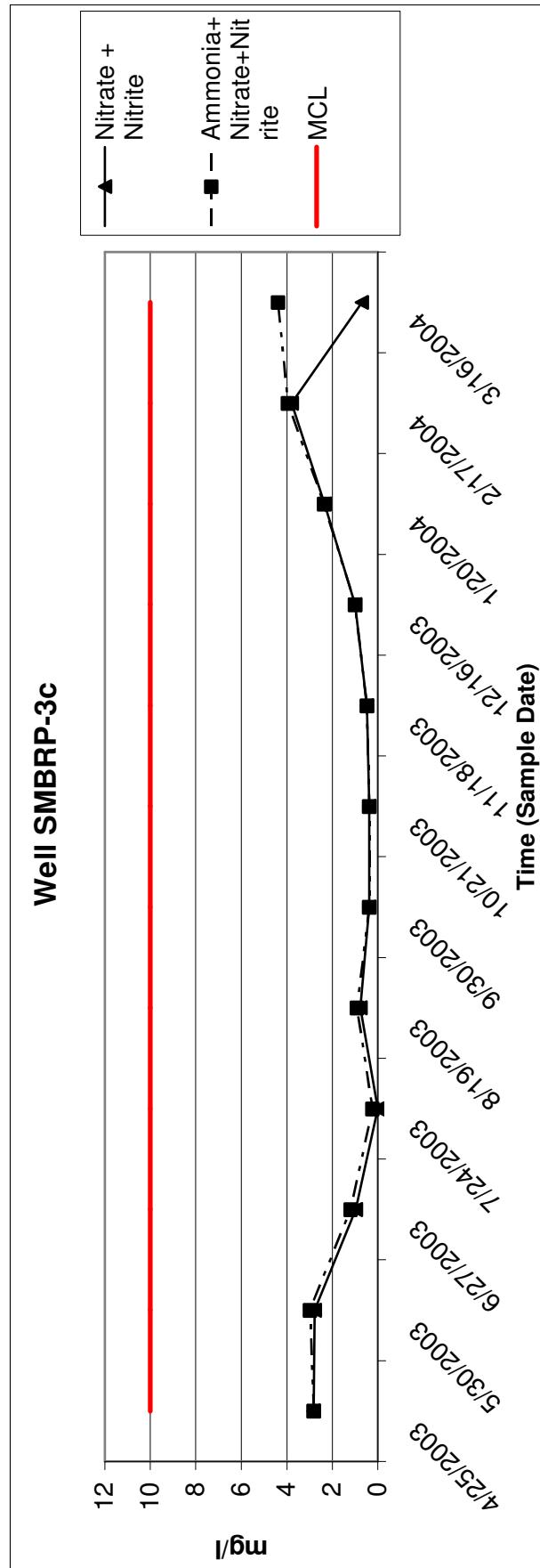
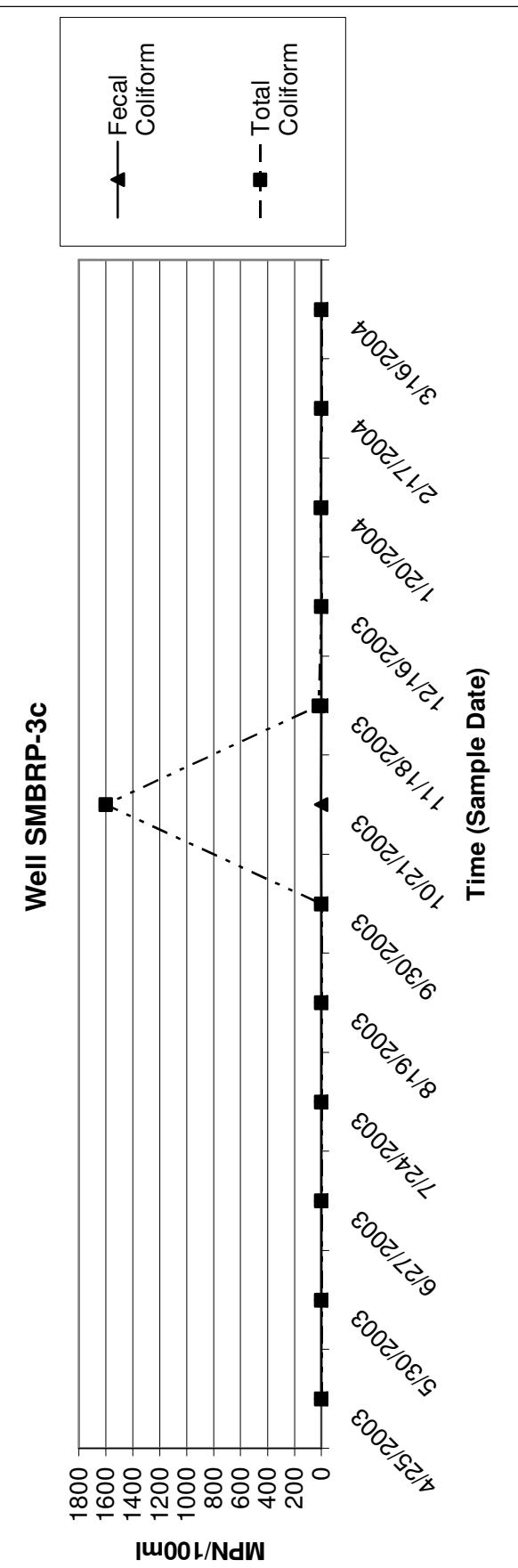


## Malibu Civic Center Area



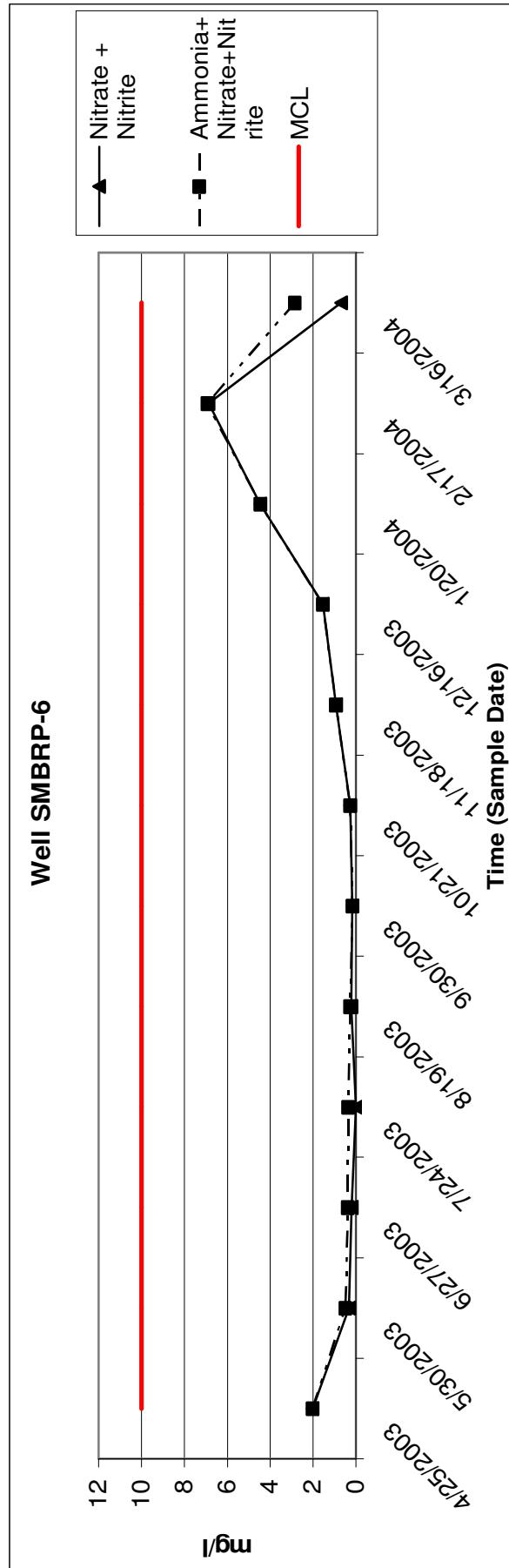
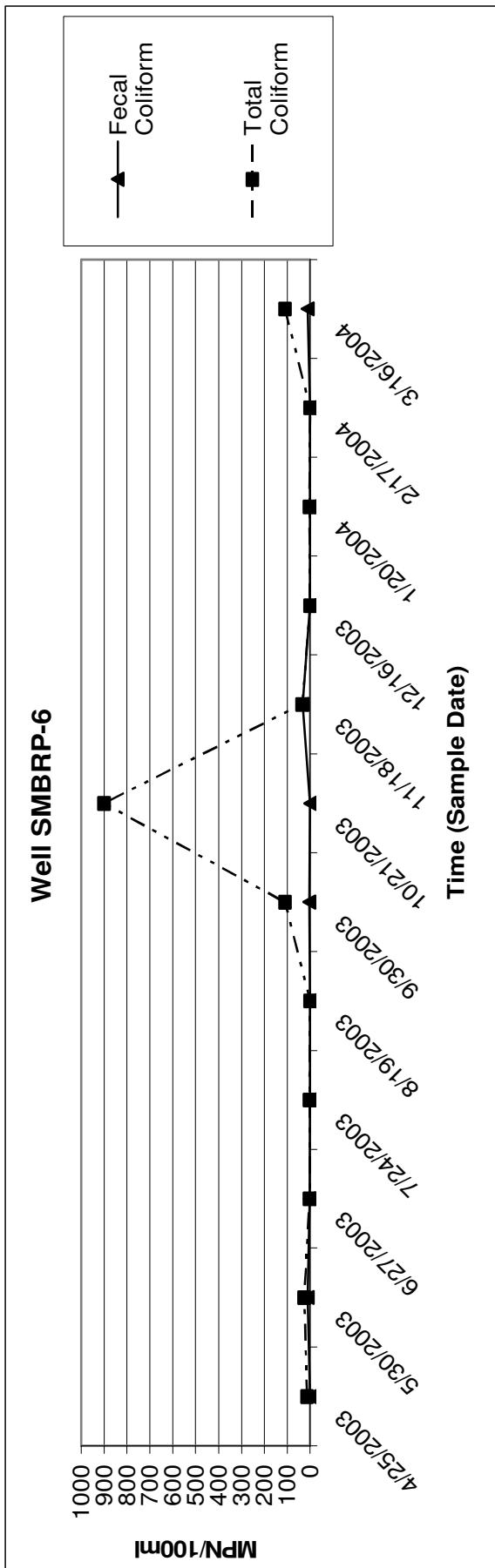
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## Malibu Civic Center Area



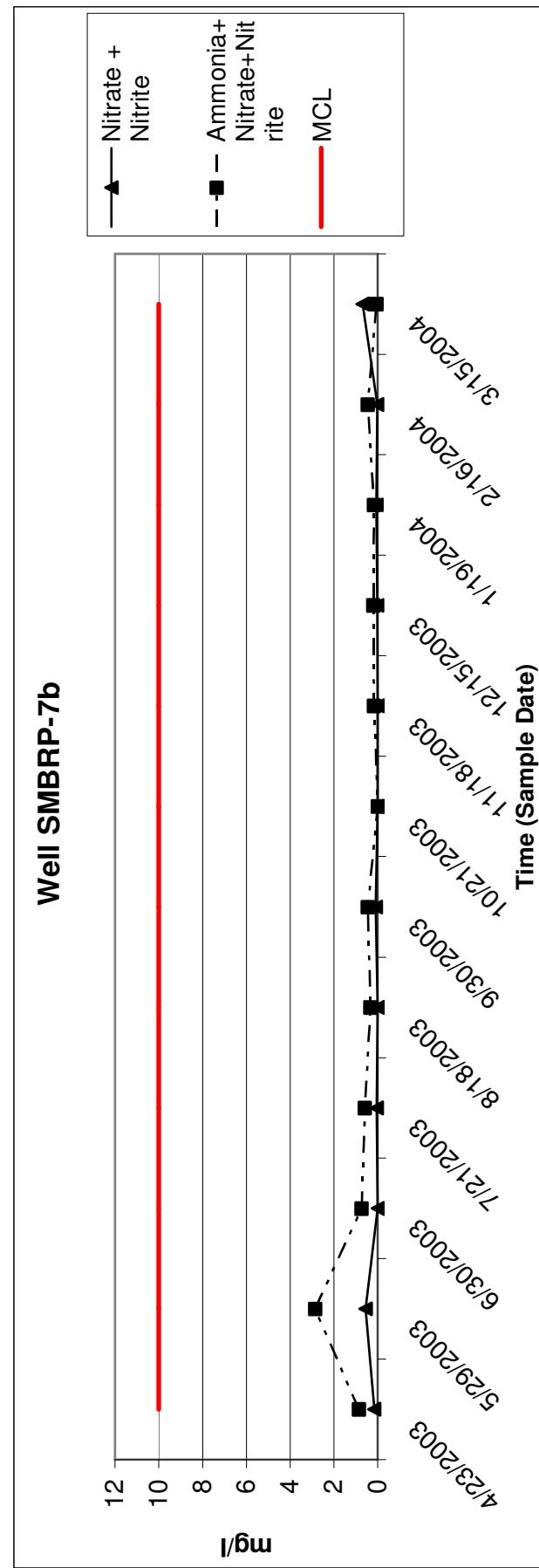
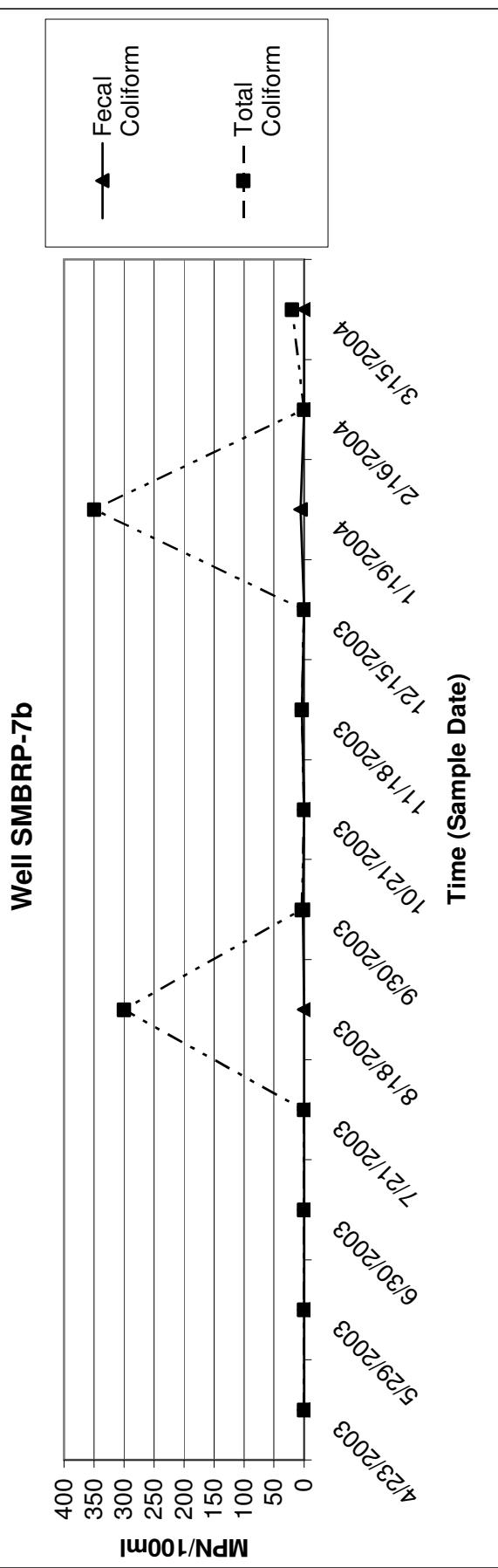
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### Malibu Civic Center Area



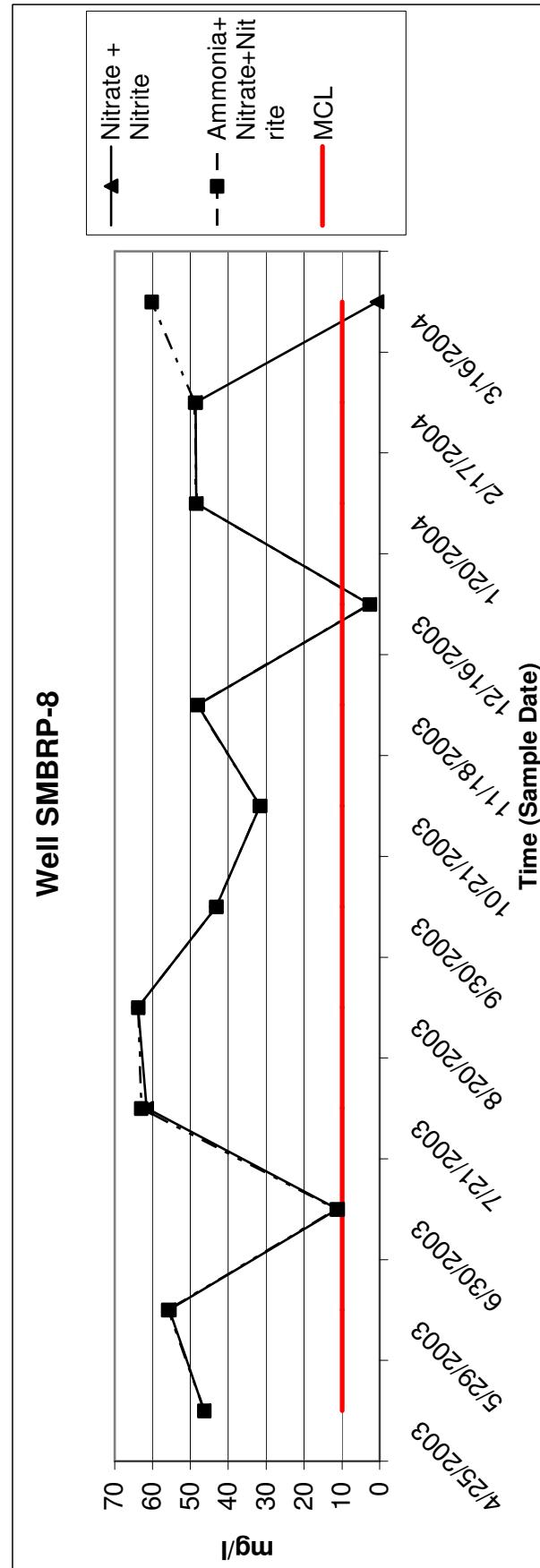
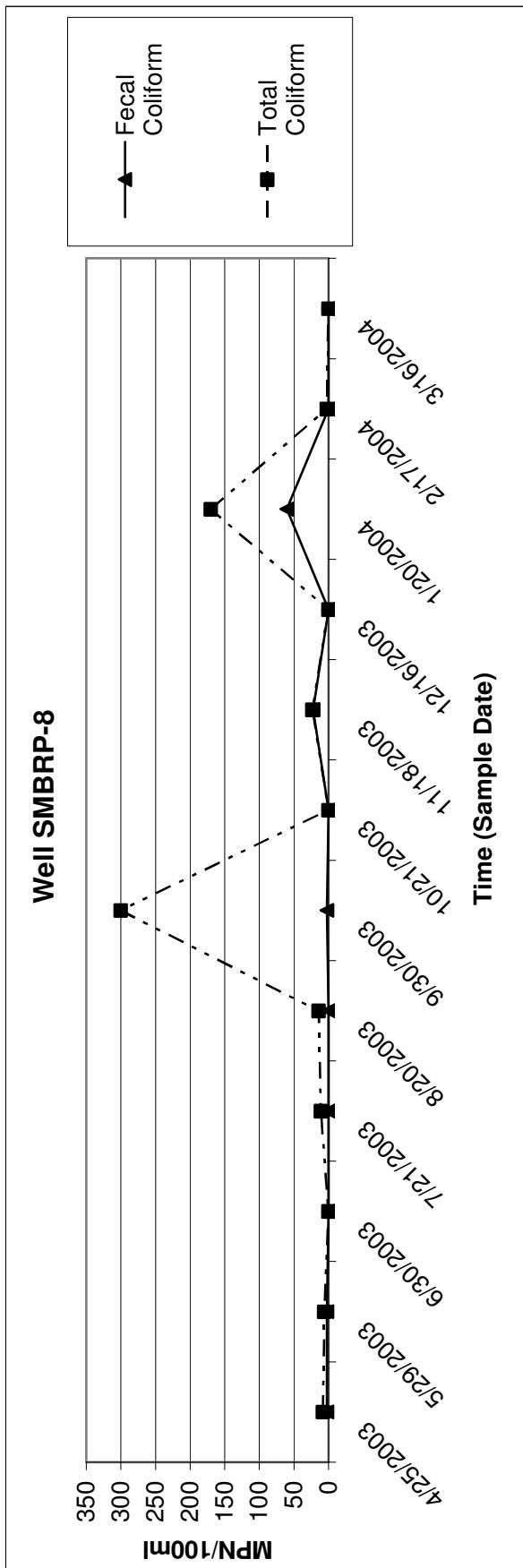
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### Malibu Civic Center Area



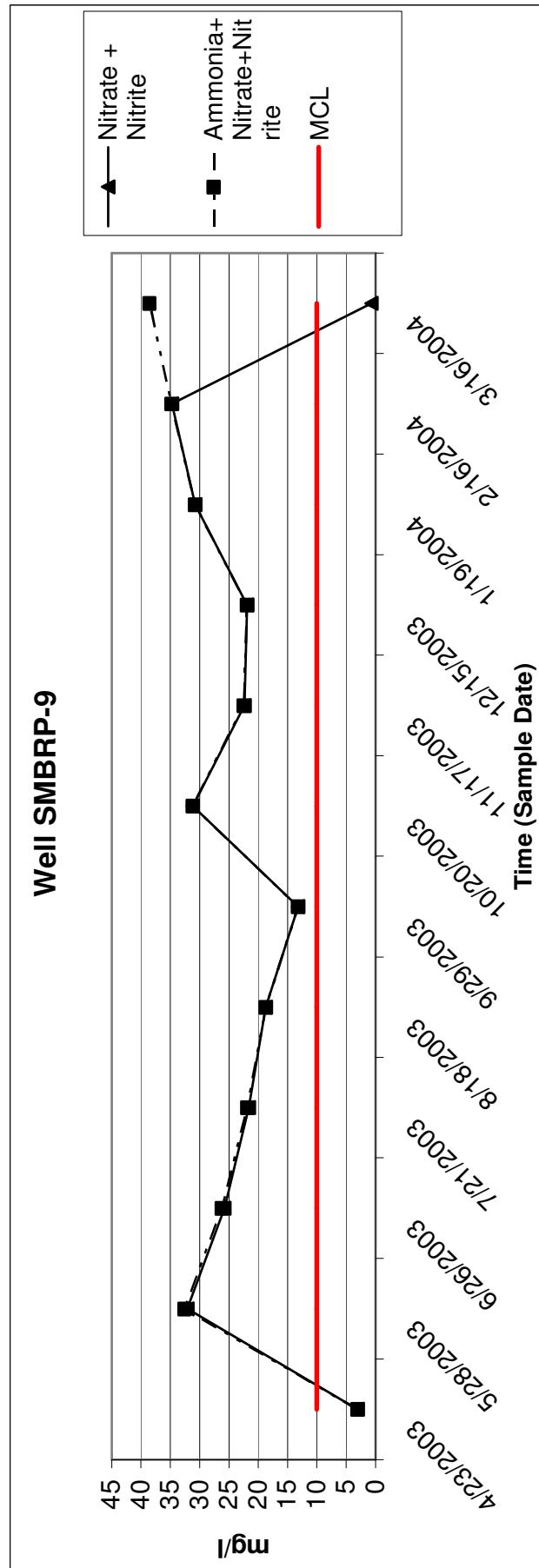
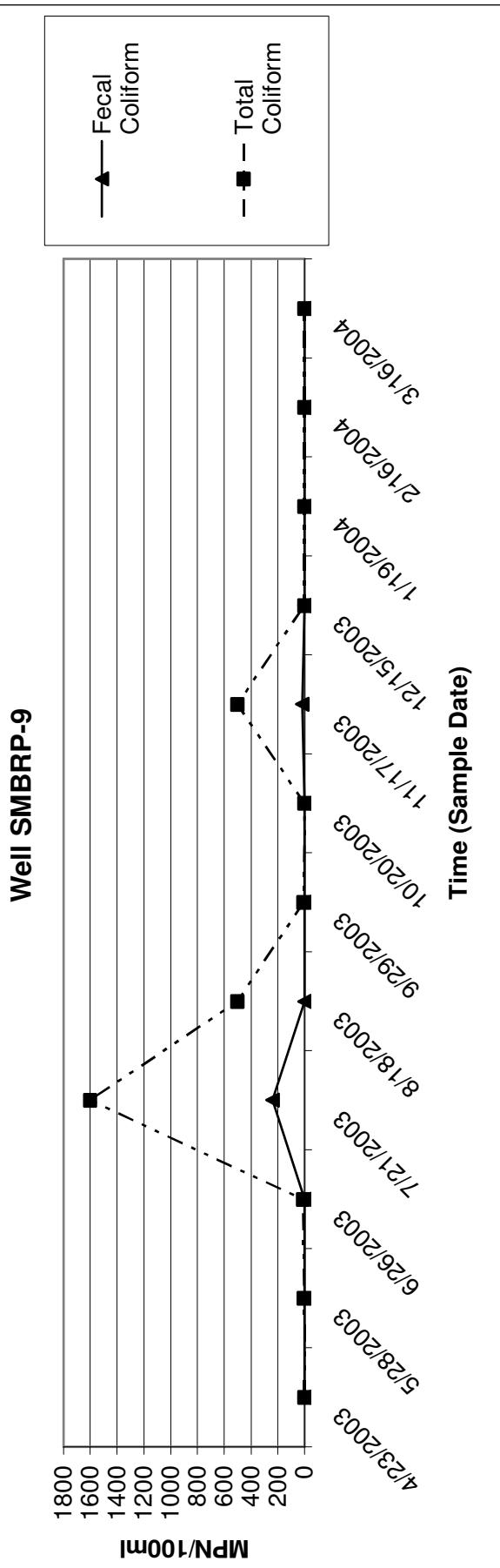
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### Malibu Civic Center Area



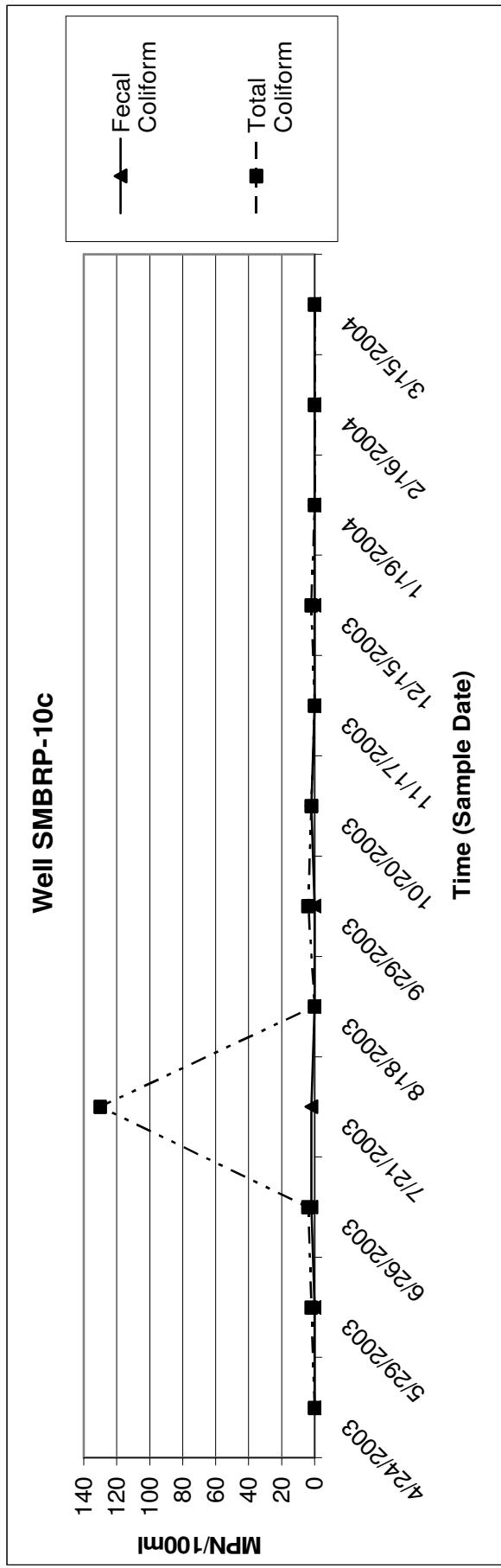
D R A F T 2 1 2 0 0 9

### Malibu Civic Center Area

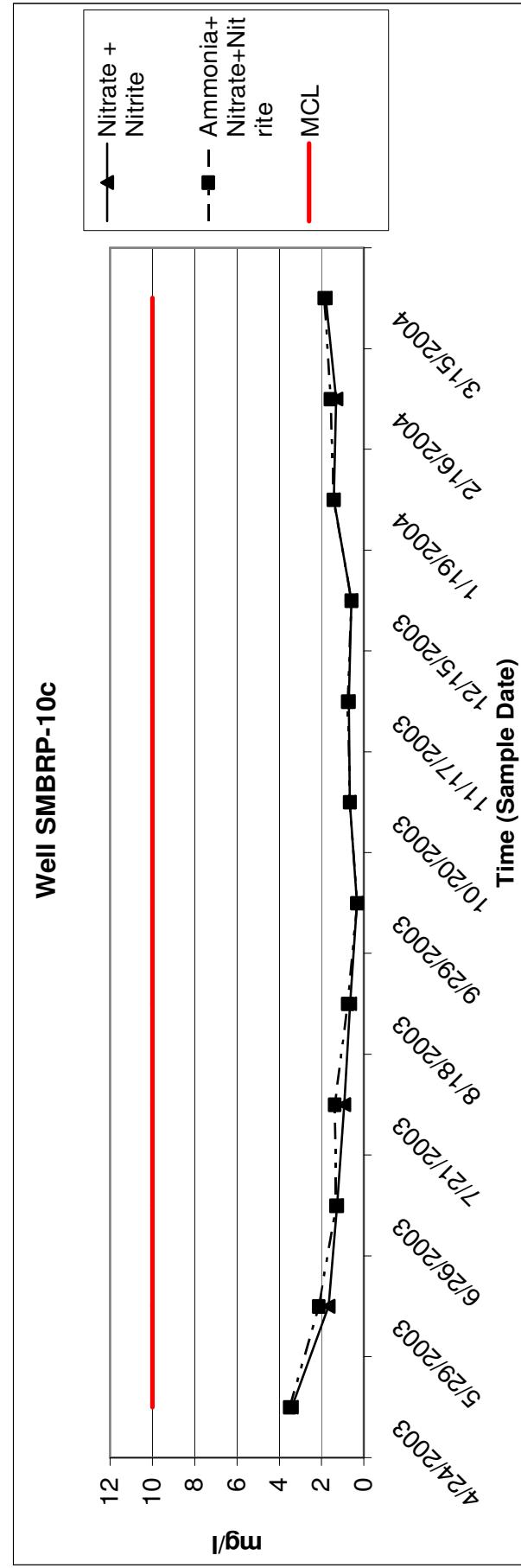


D R A F T 2 1 2 0 0 9

### Malibu Civic Center Area

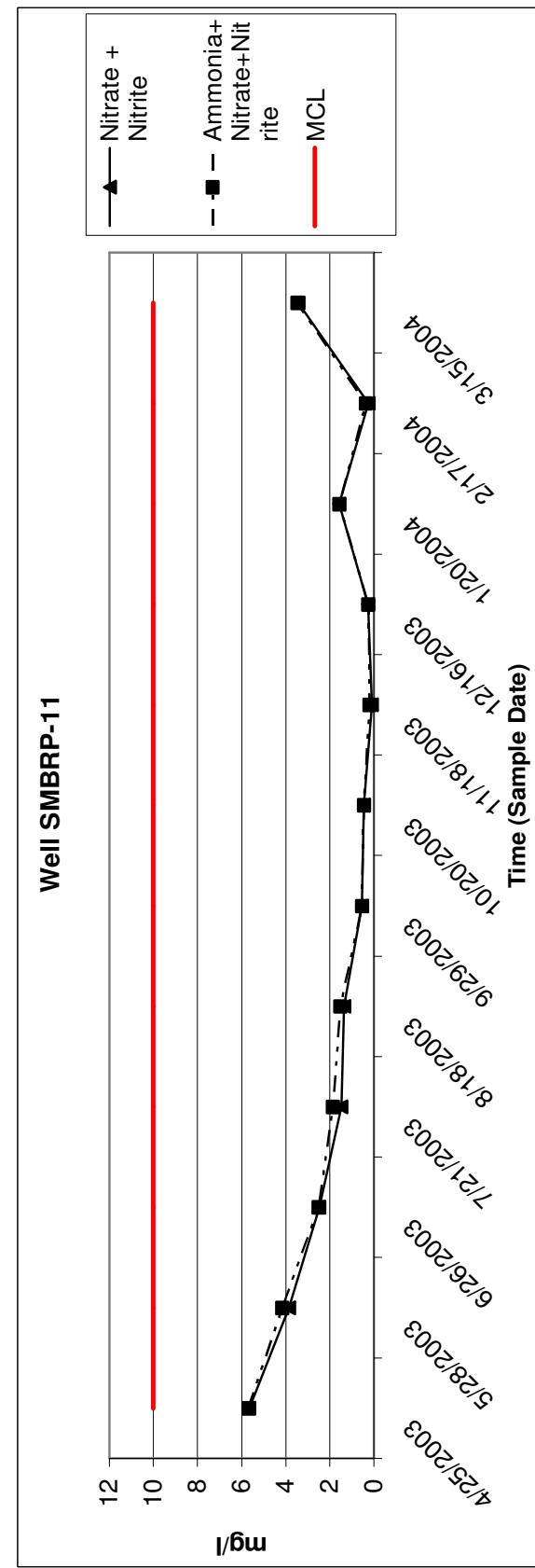
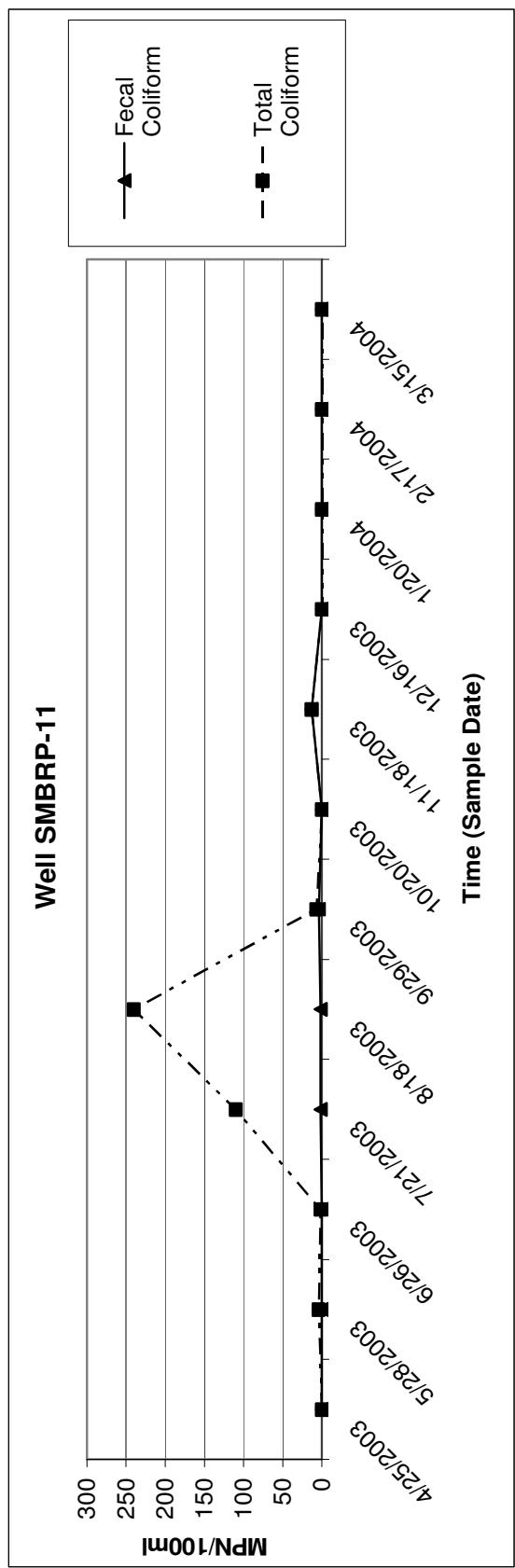


TM2-101



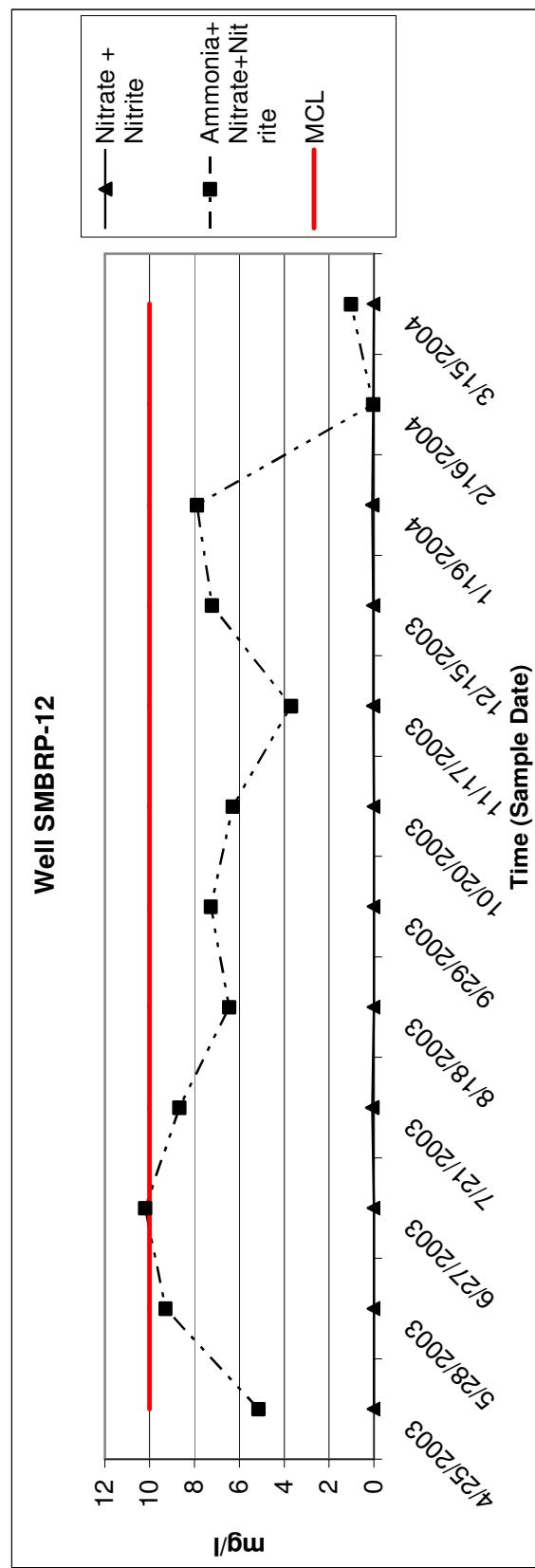
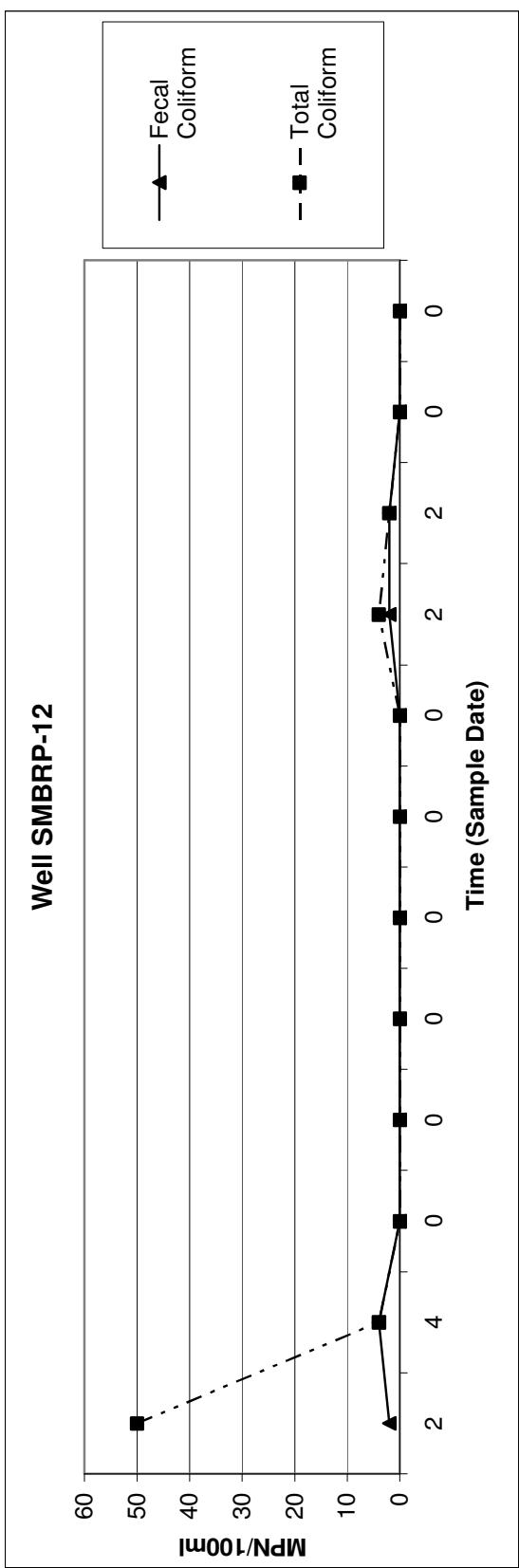
D  
R  
A  
F  
T  
2  
0  
0  
6

### Malibu Civic Center Area



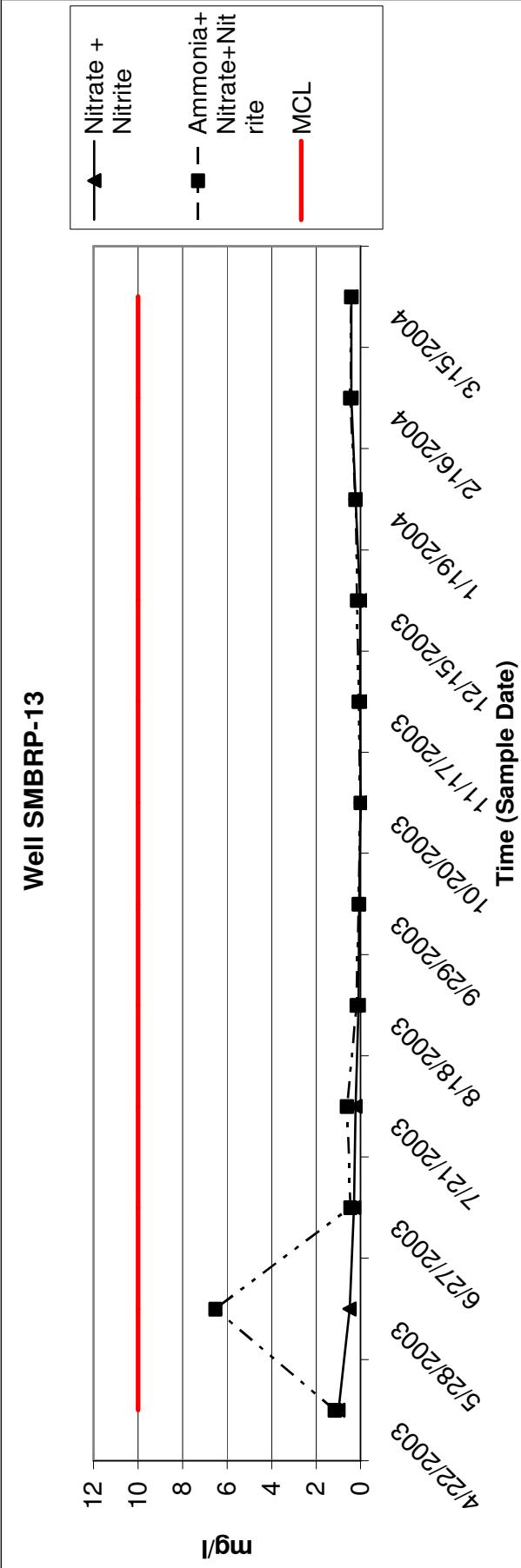
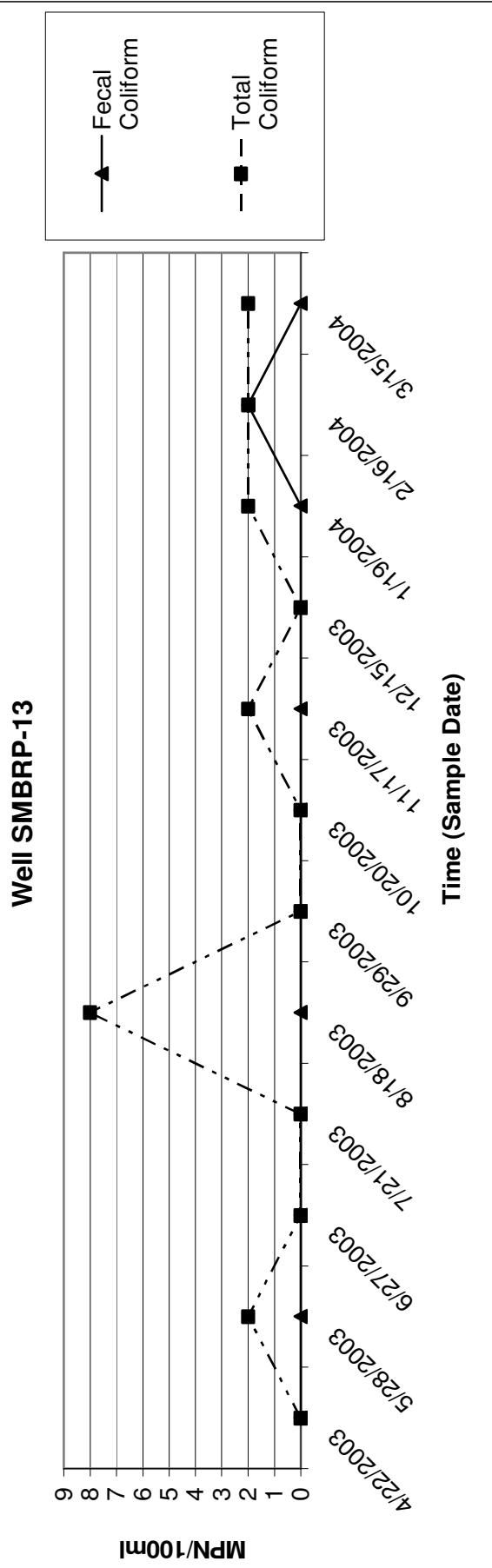
D  
R  
A  
F  
T  
C  
O  
T  
2  
1  
2  
0  
0  
9

### Malibu Civic Center Area



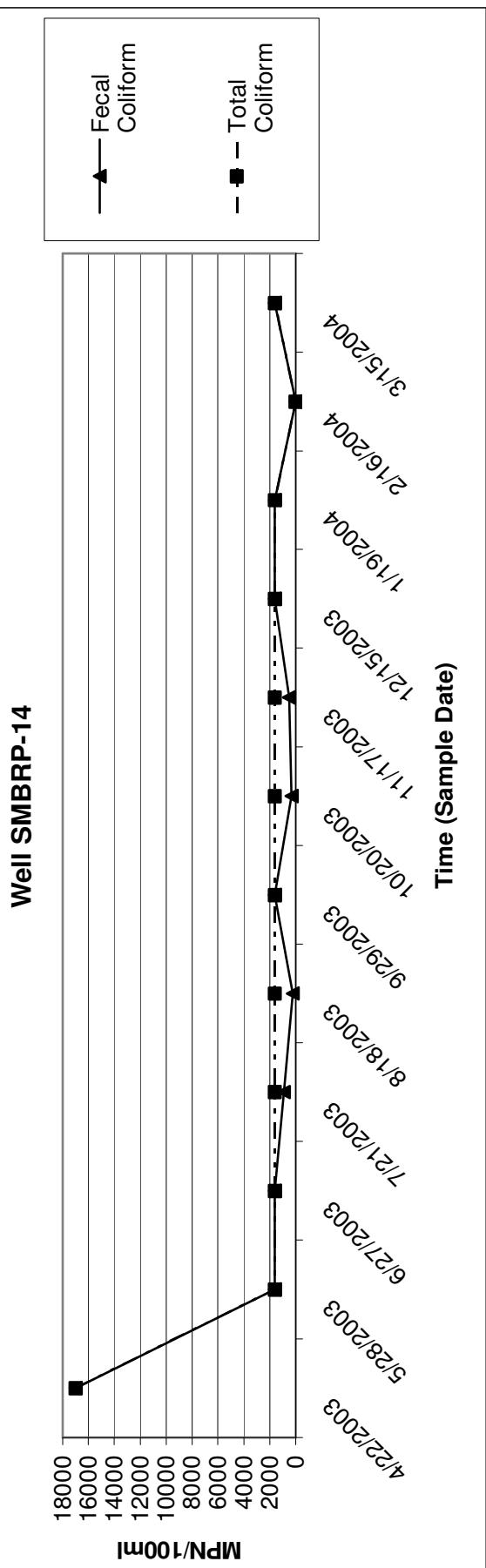
D  
R  
A  
F  
T  
2  
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9

### Malibu Civic Center Area

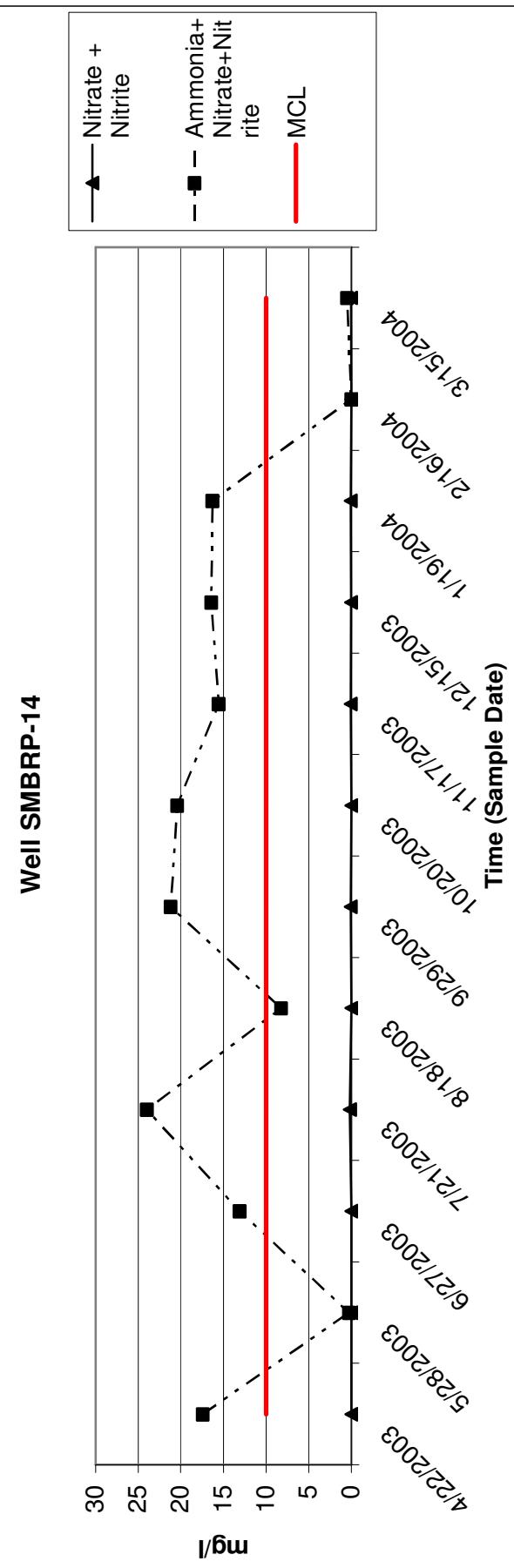


D  
R  
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F  
T  
2  
1  
2  
0  
0  
9

### Malibu Civic Center Area

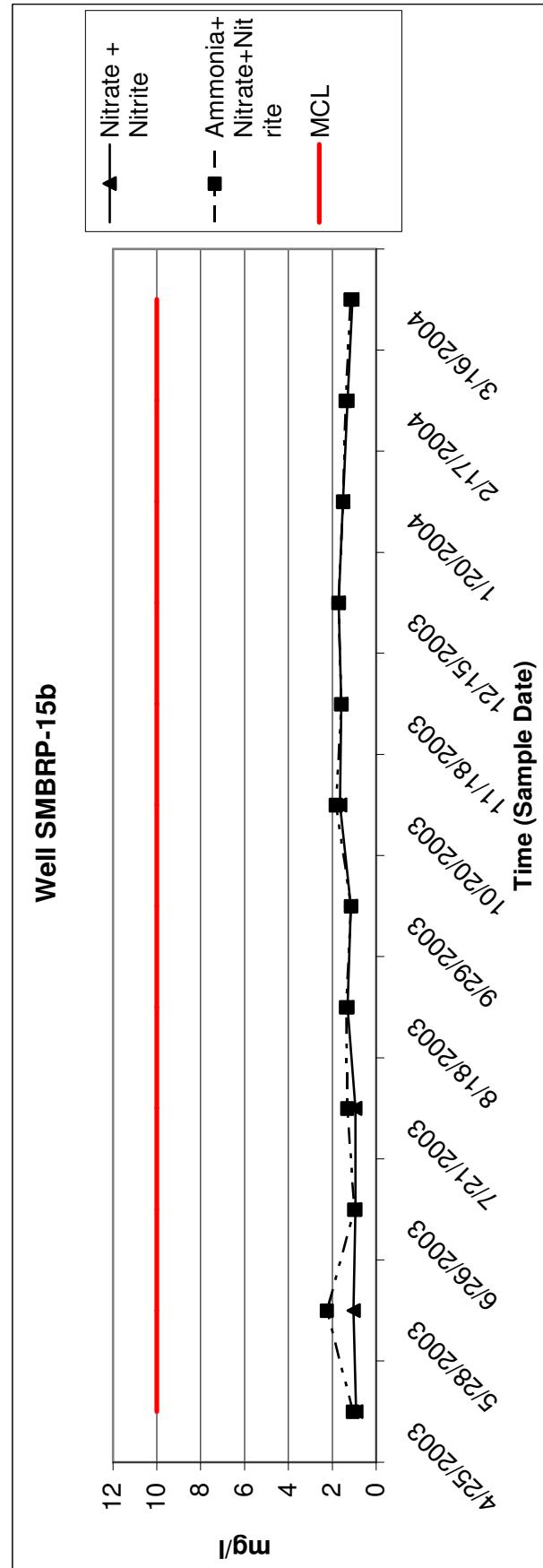
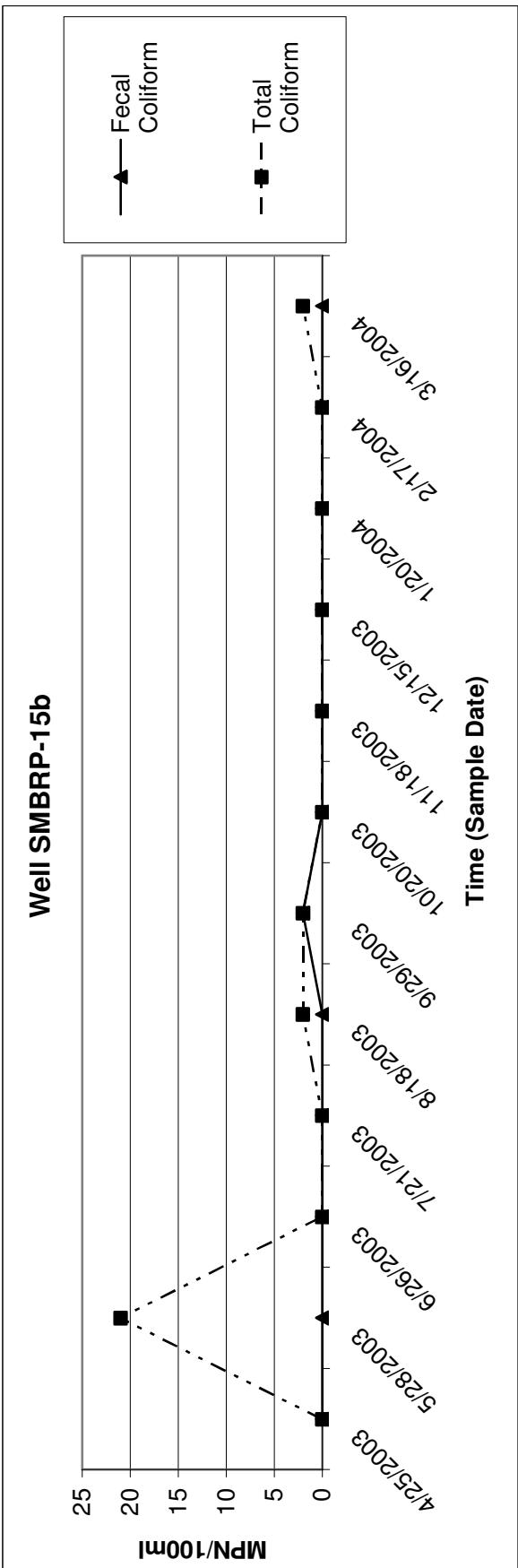


### Well SMBRP-14



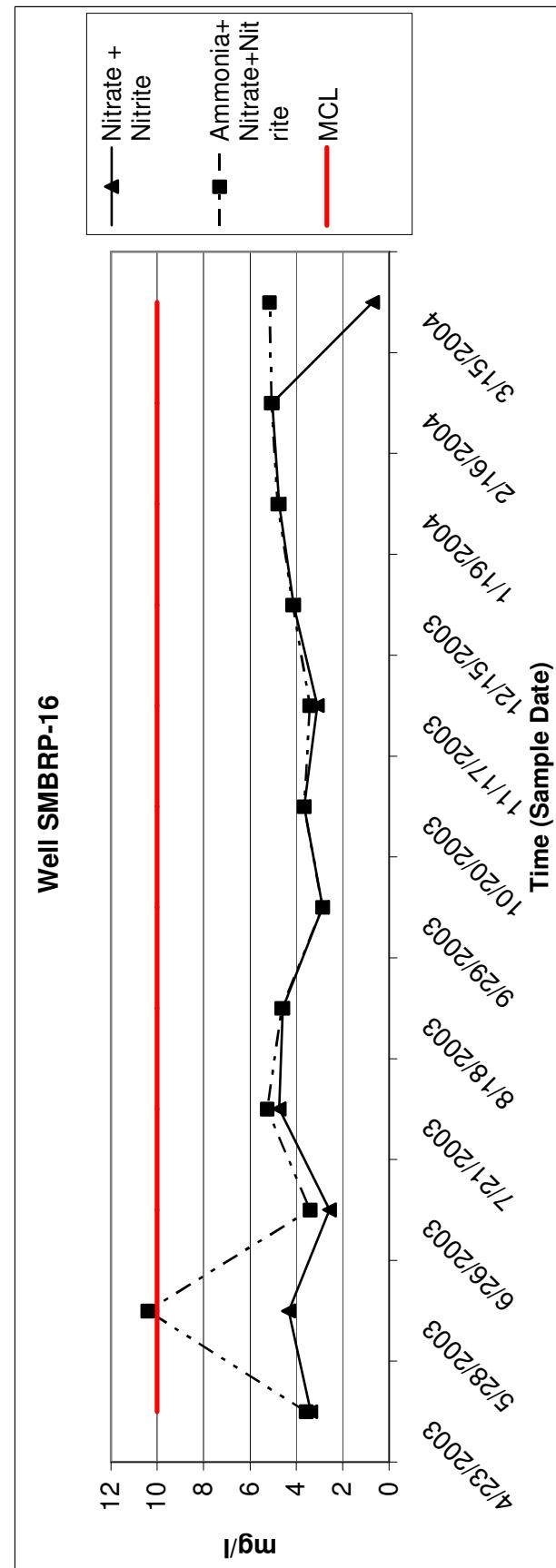
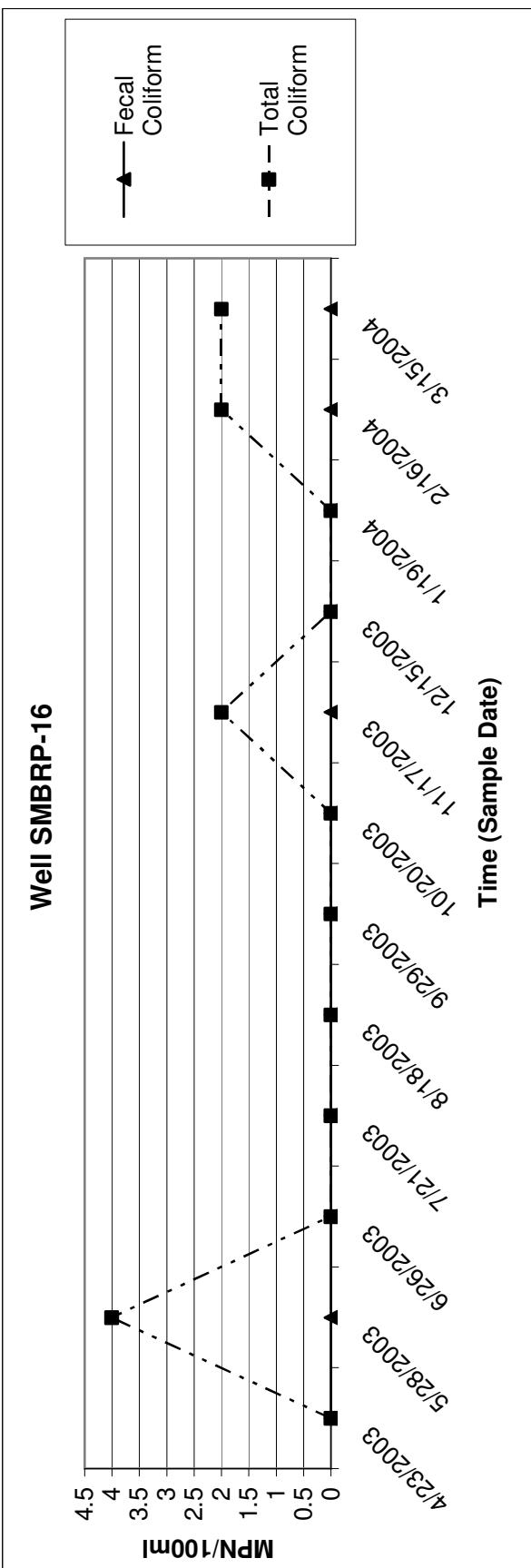
D R A F T 2 0 0 9

### Malibu Civic Center Area



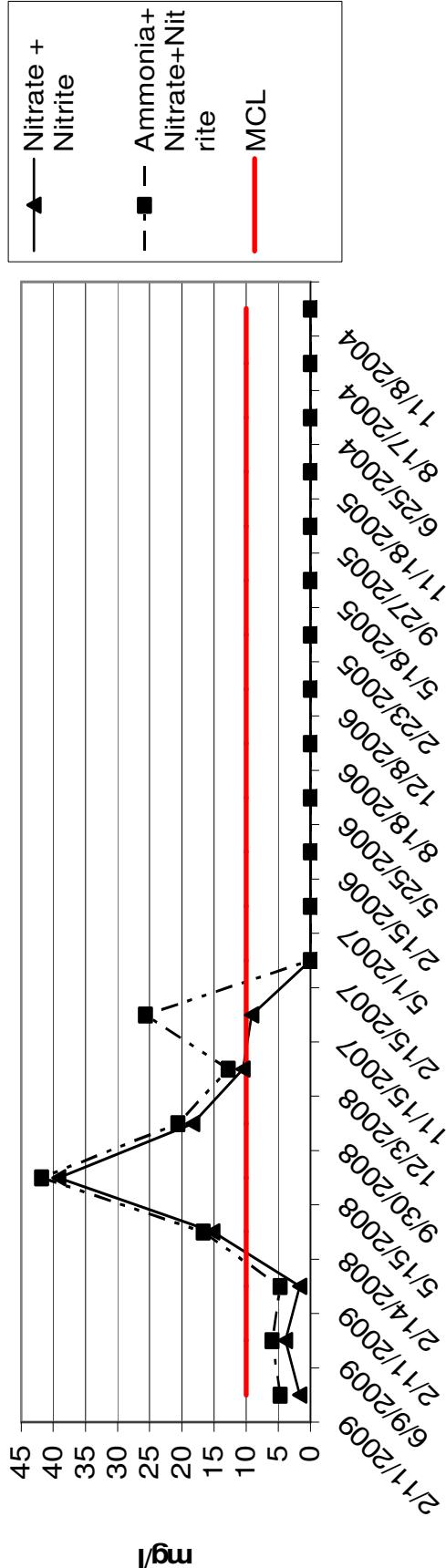
D R A F T 2 1 2 0 0 9

## Malibu Civic Center Area



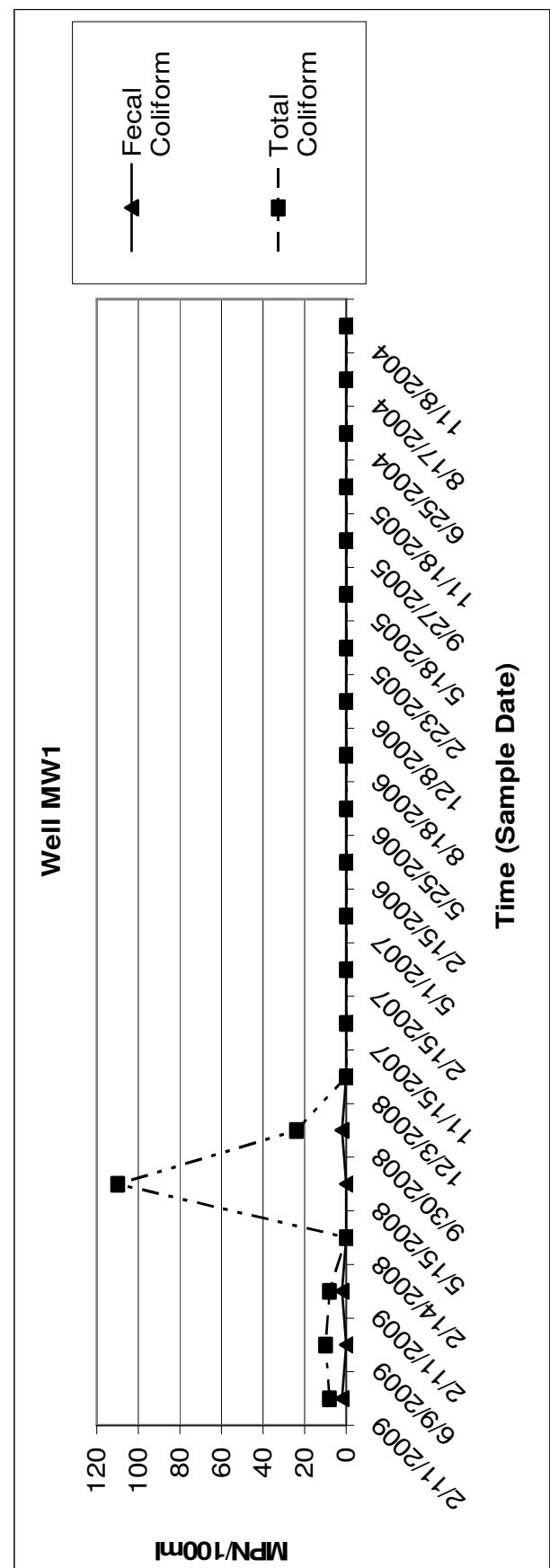
D  
R  
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F  
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1  
2  
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9

Time (Sample Date)



Well MW1

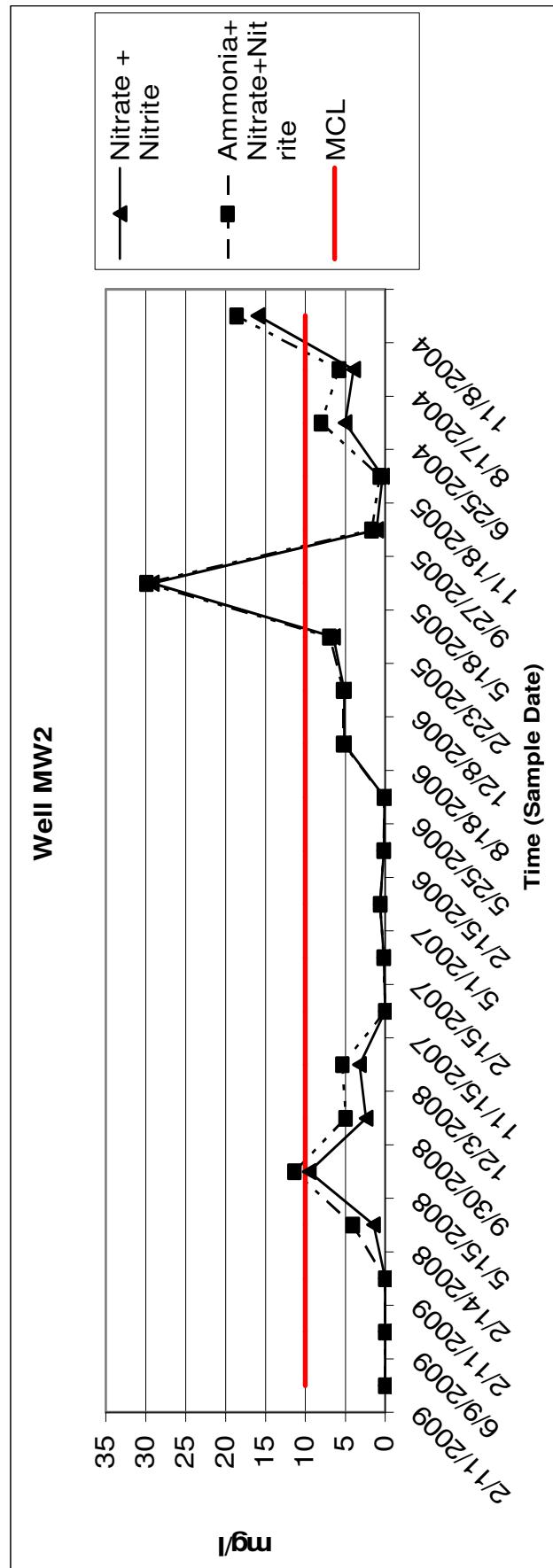
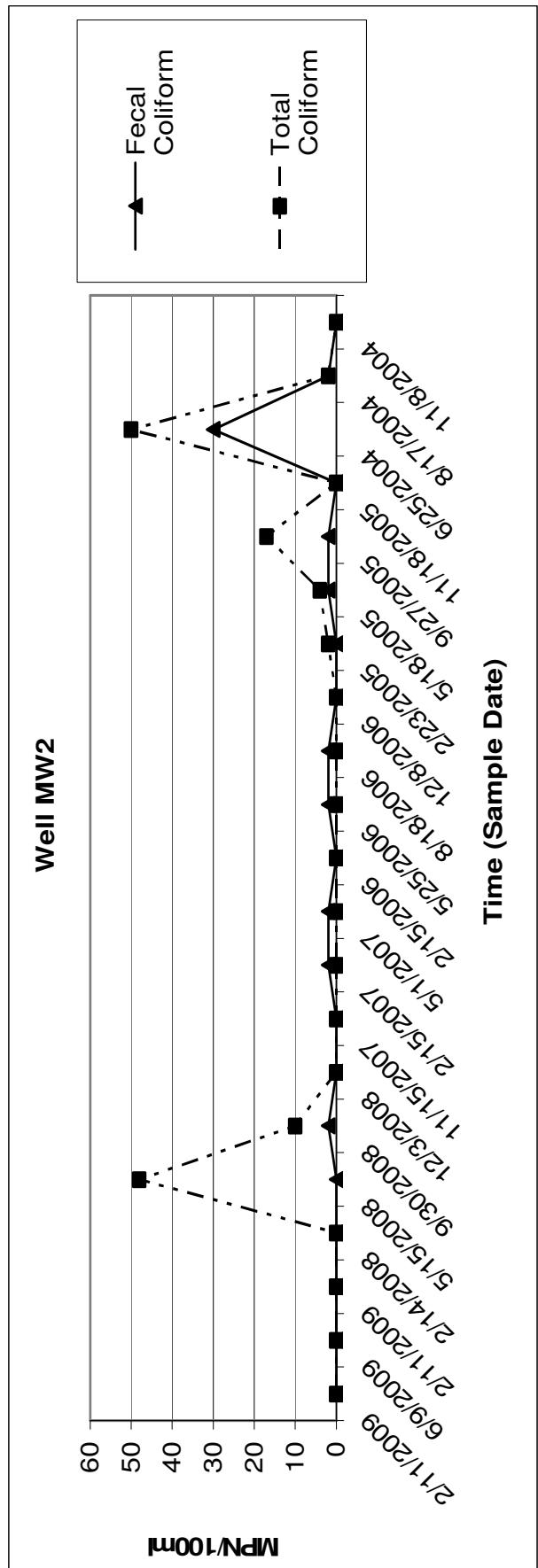
Time (Sample Date)



Malibu Beach Inn

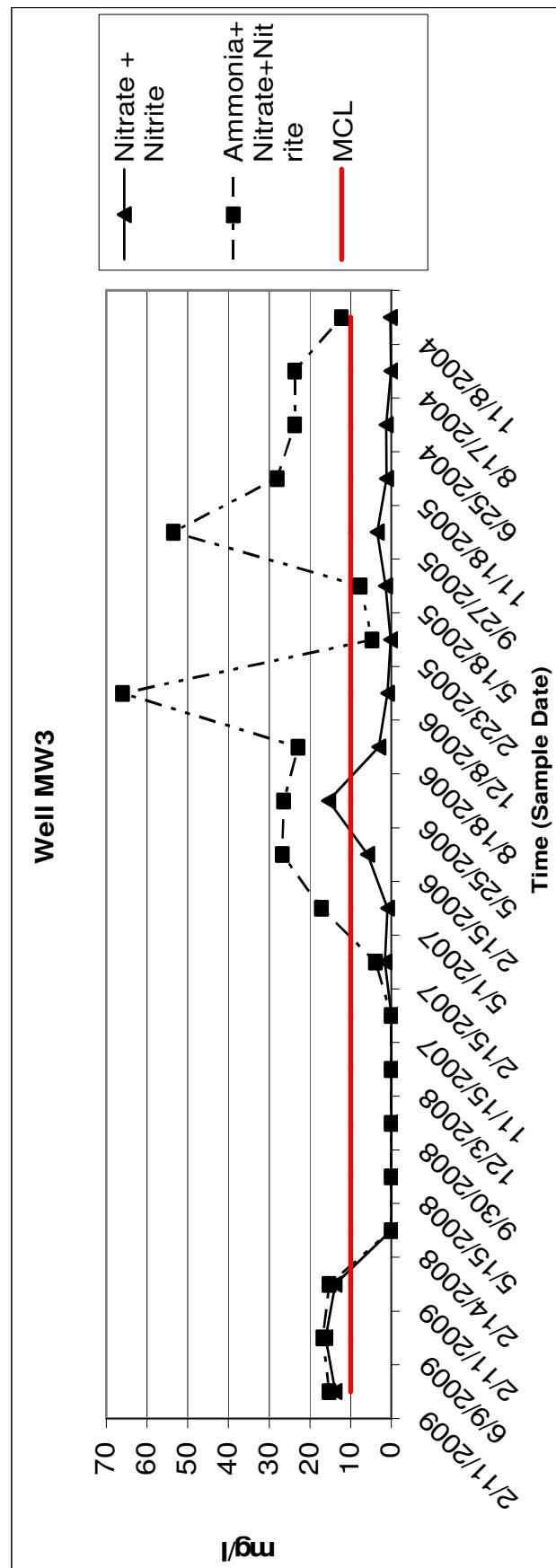
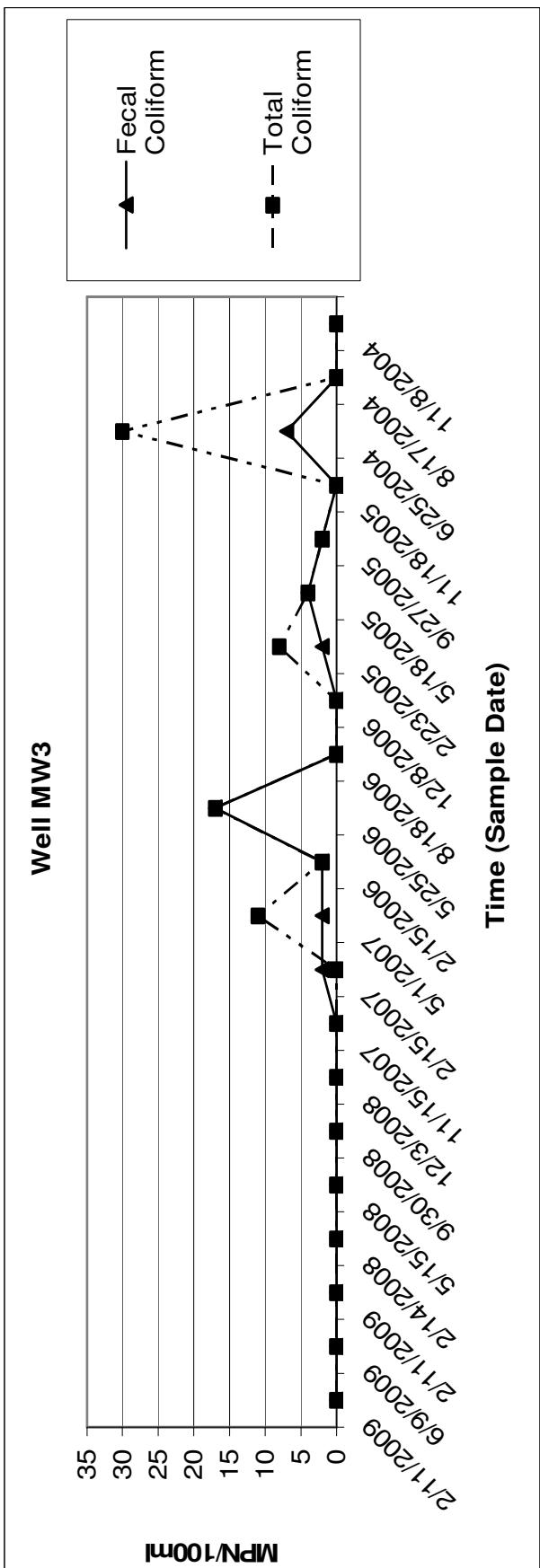
D R A F T C O D I 2 1 2 0 0 9

## Malibu Beach Inn



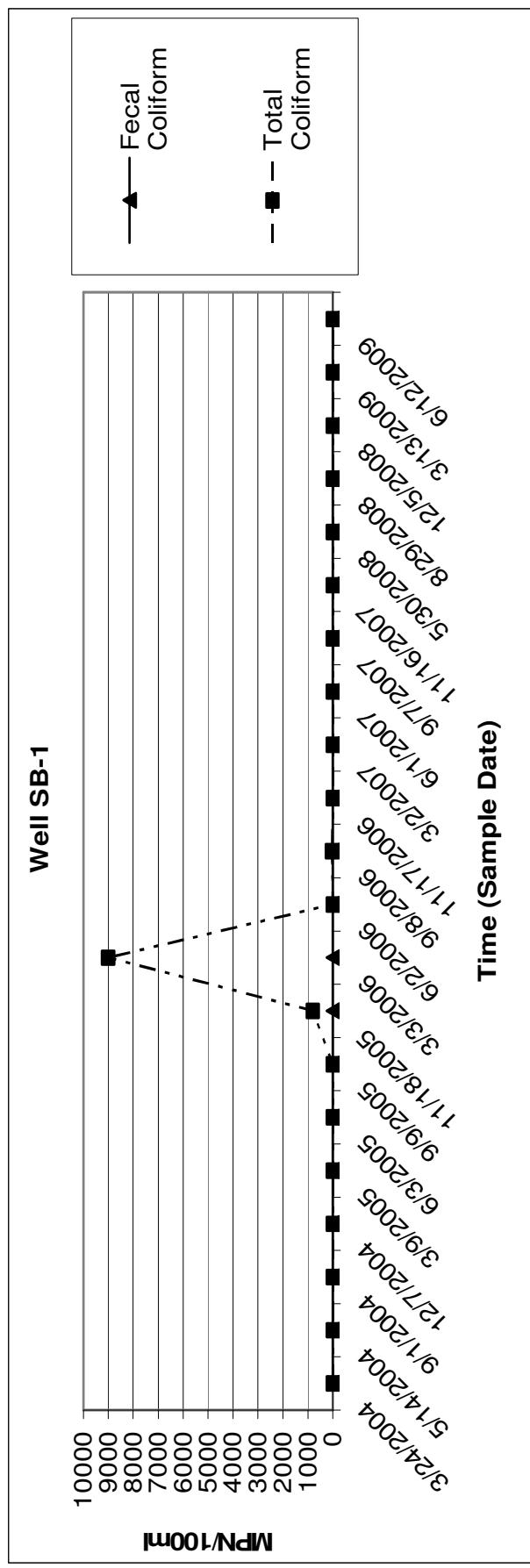
D R A F T C O D E 2 1 2 0 0 9

### Malibu Beach Inn

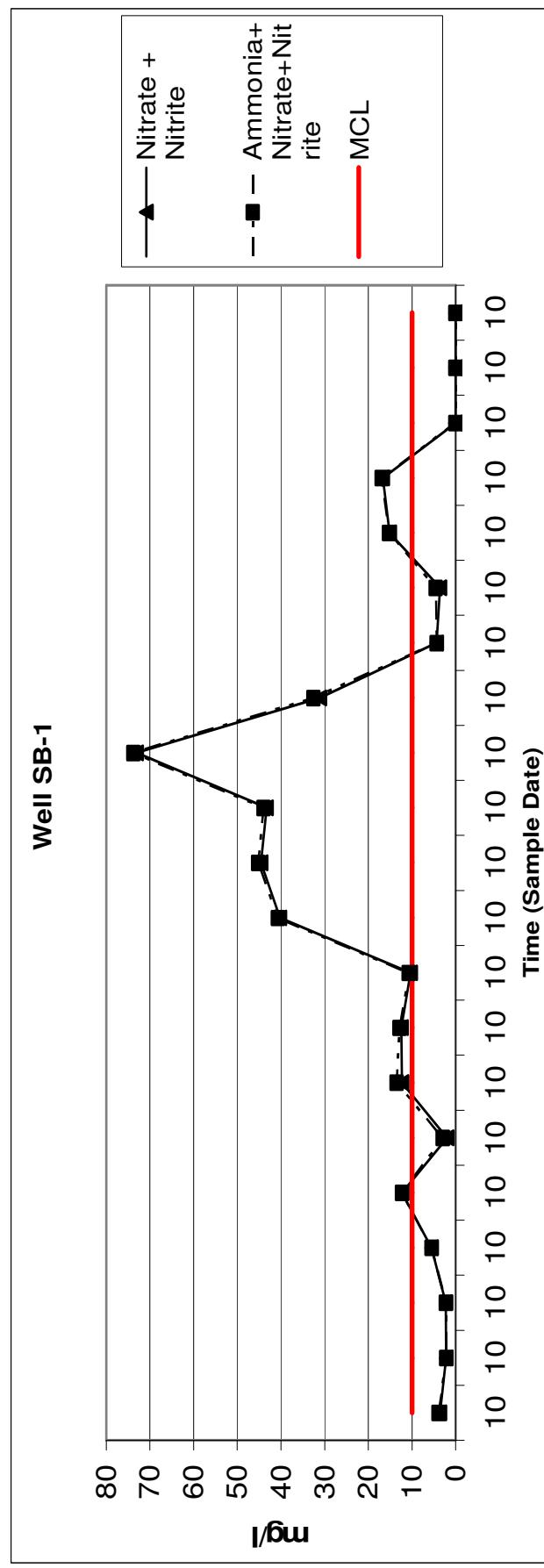


# D R A F T 2 1 2 0 0 9

## Surfrider Beach

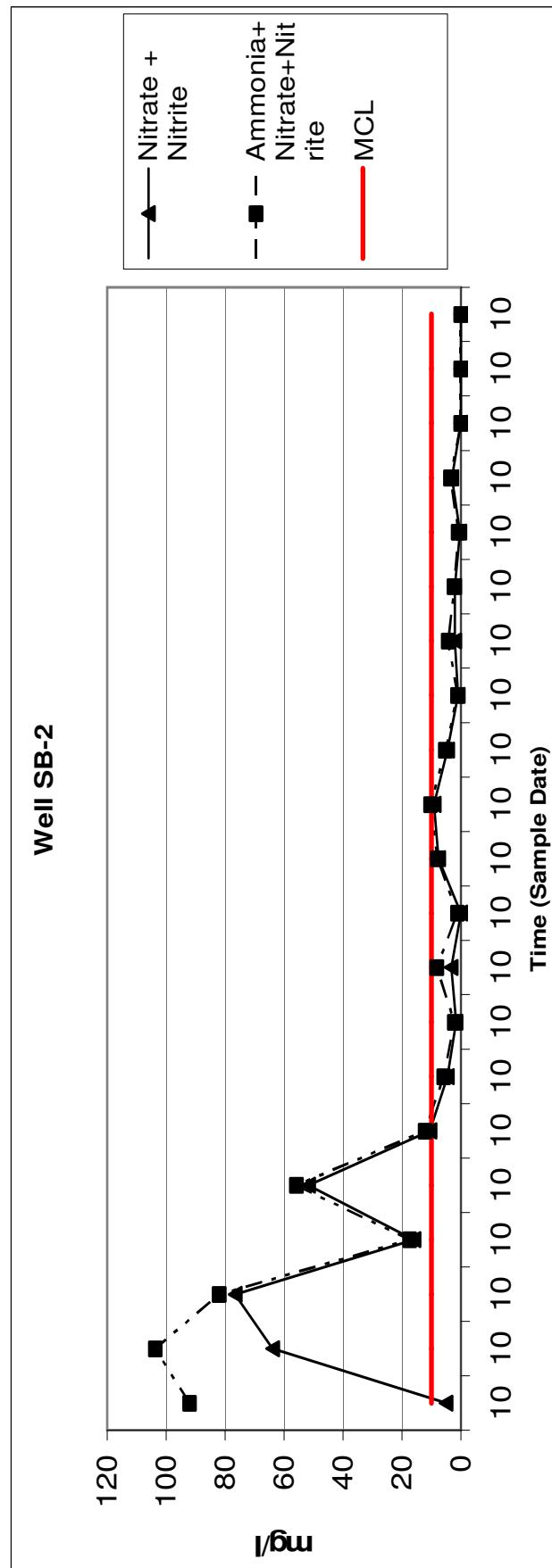
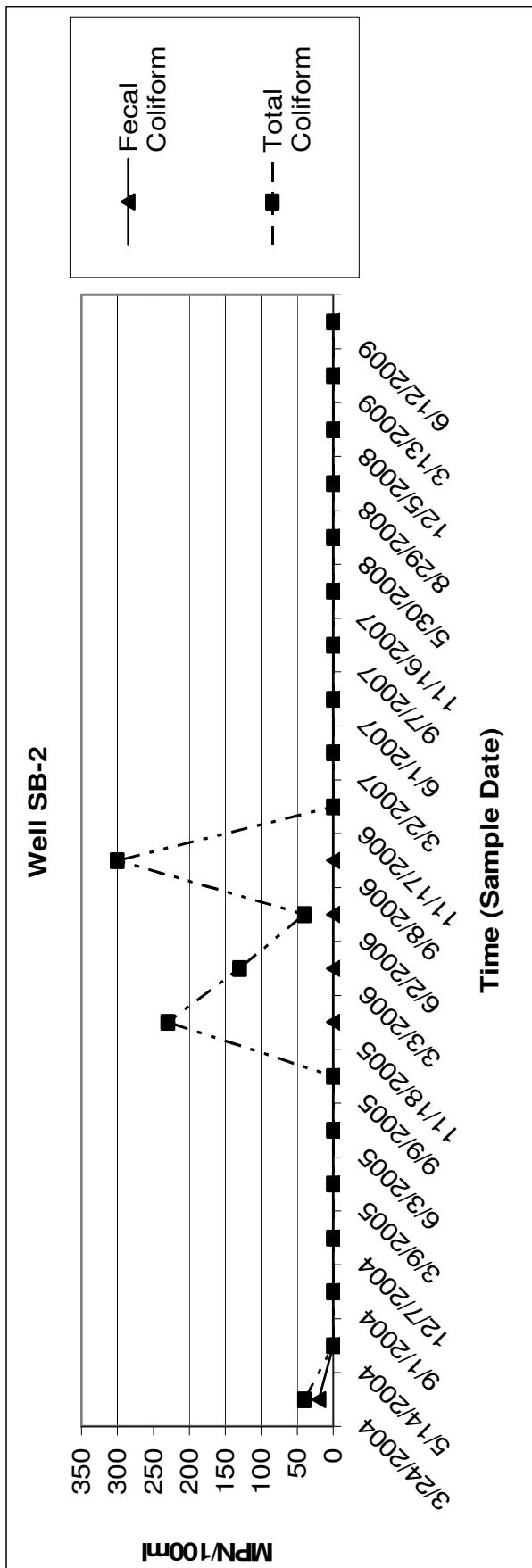


TM2-111



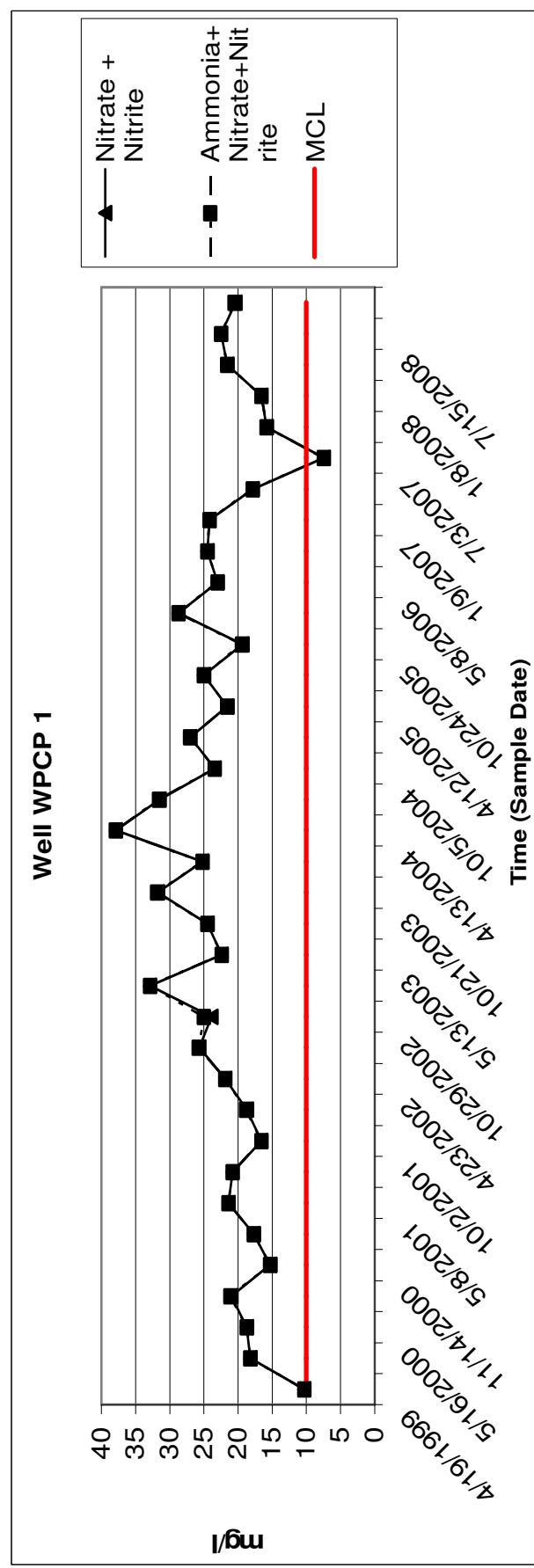
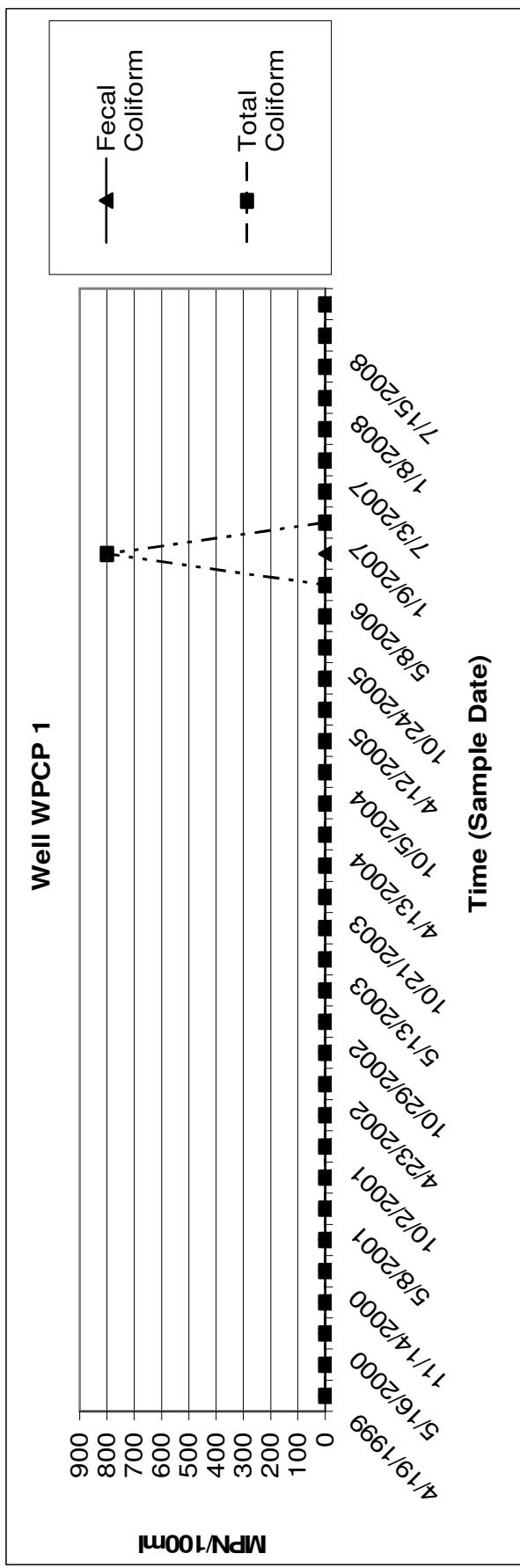
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**Surfrider Beach**



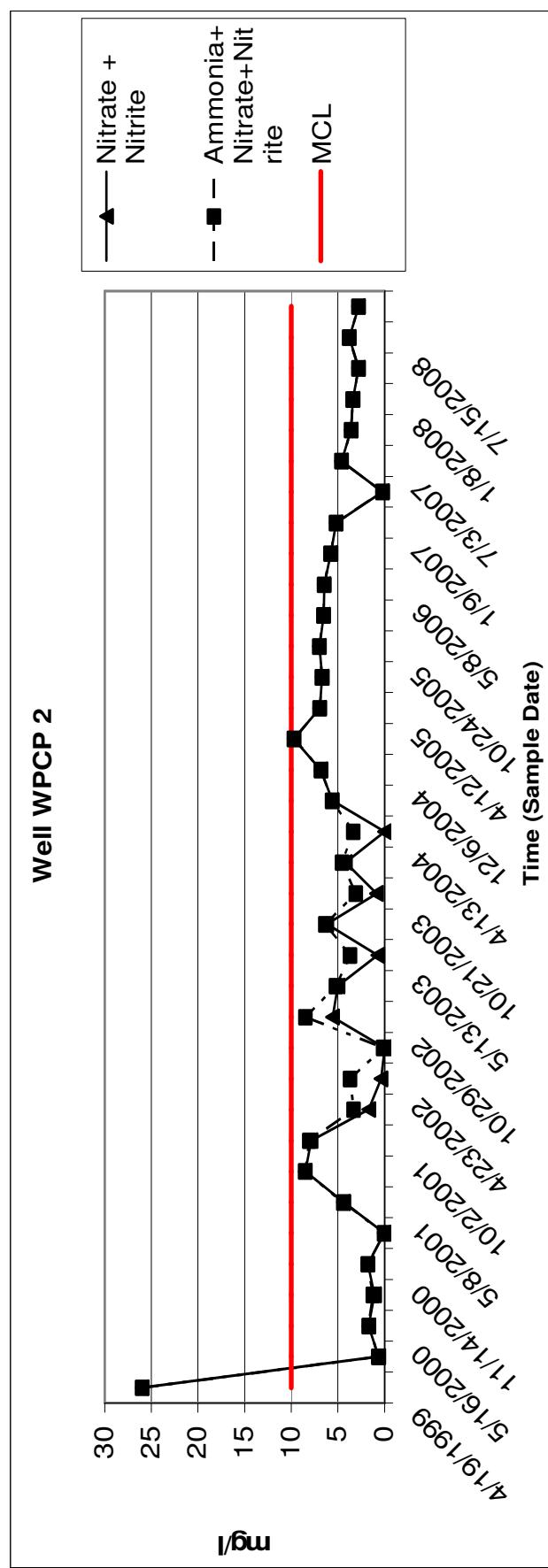
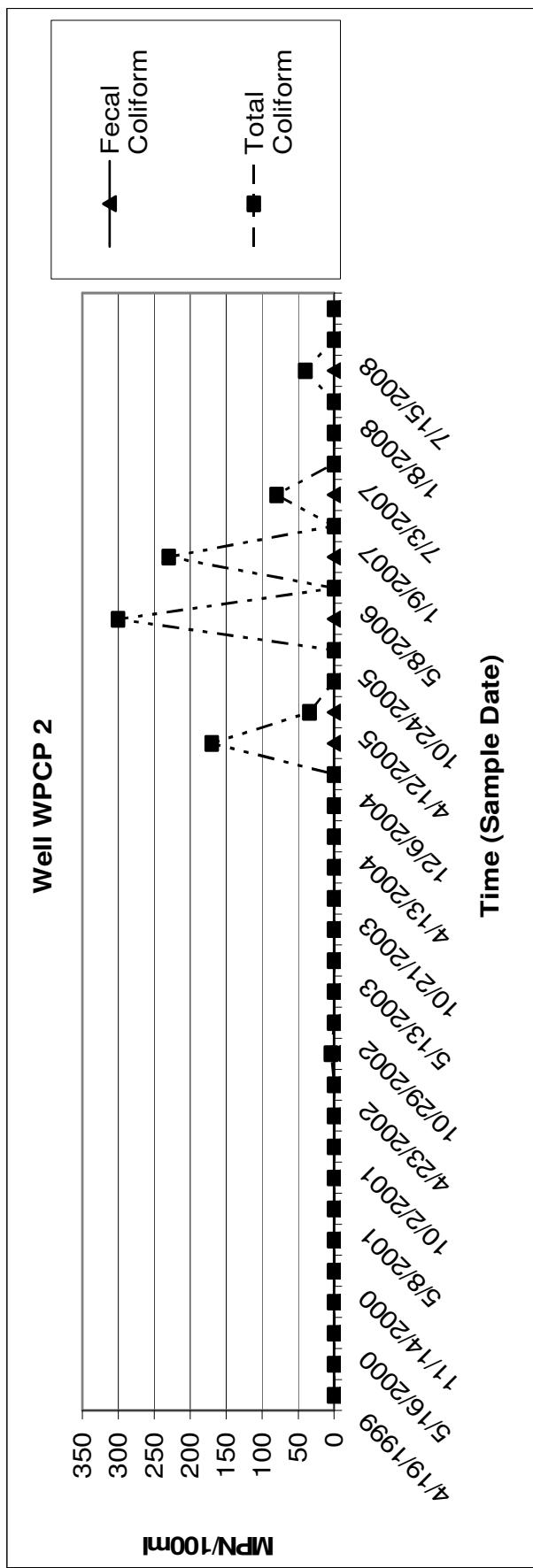
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### Malibu Water Pollution Control Plant



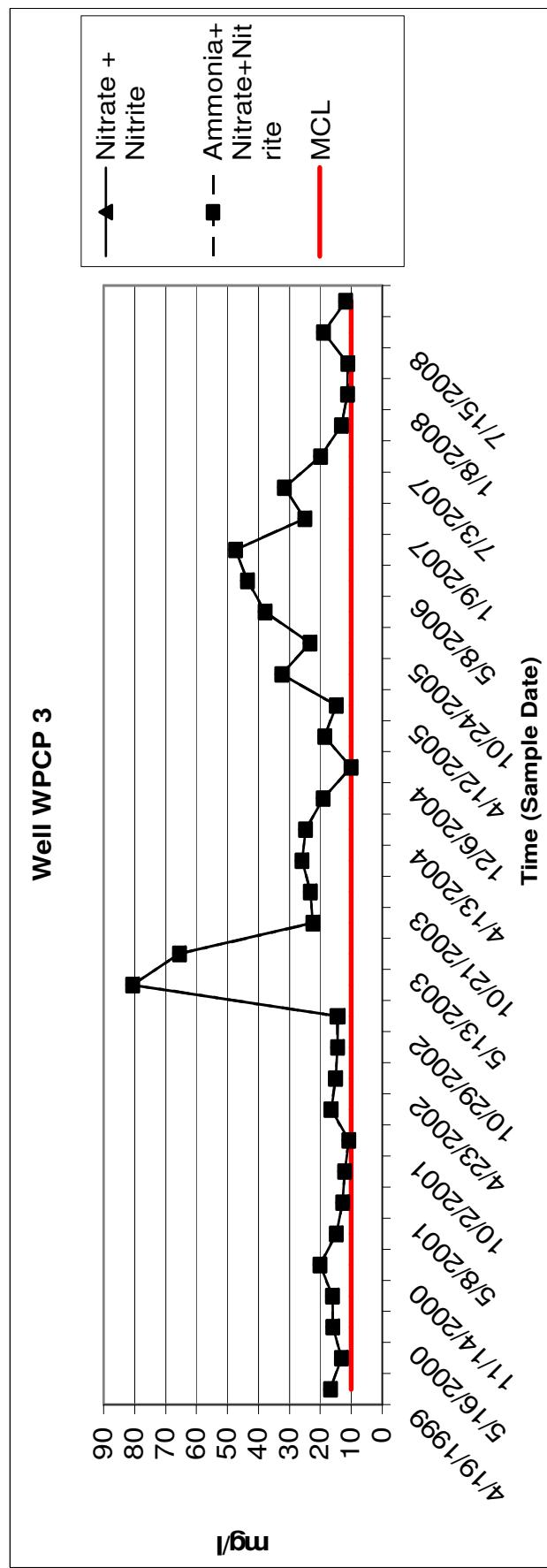
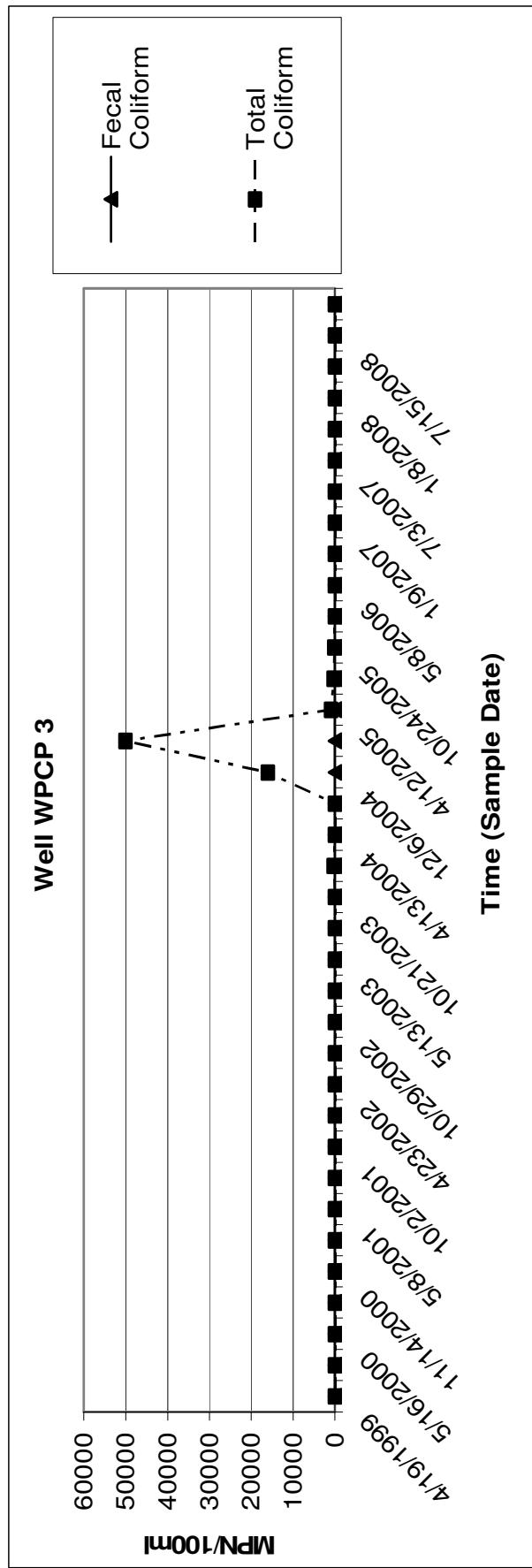
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## Malibu Water Pollution Control Plant



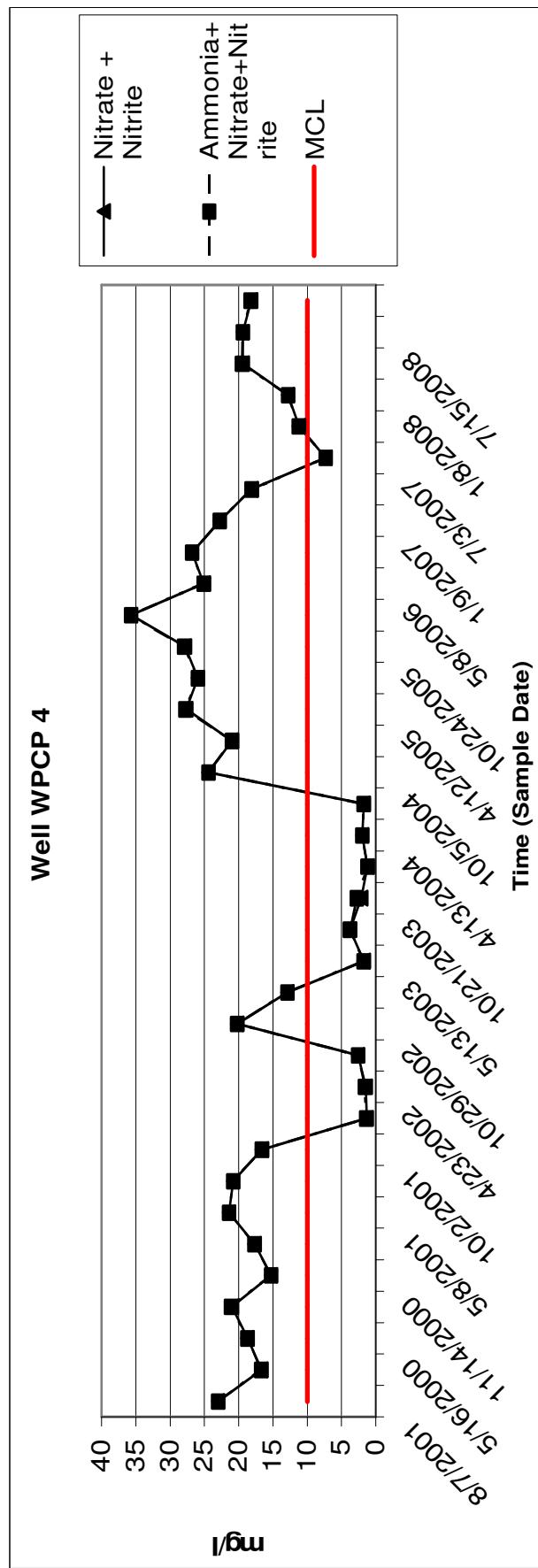
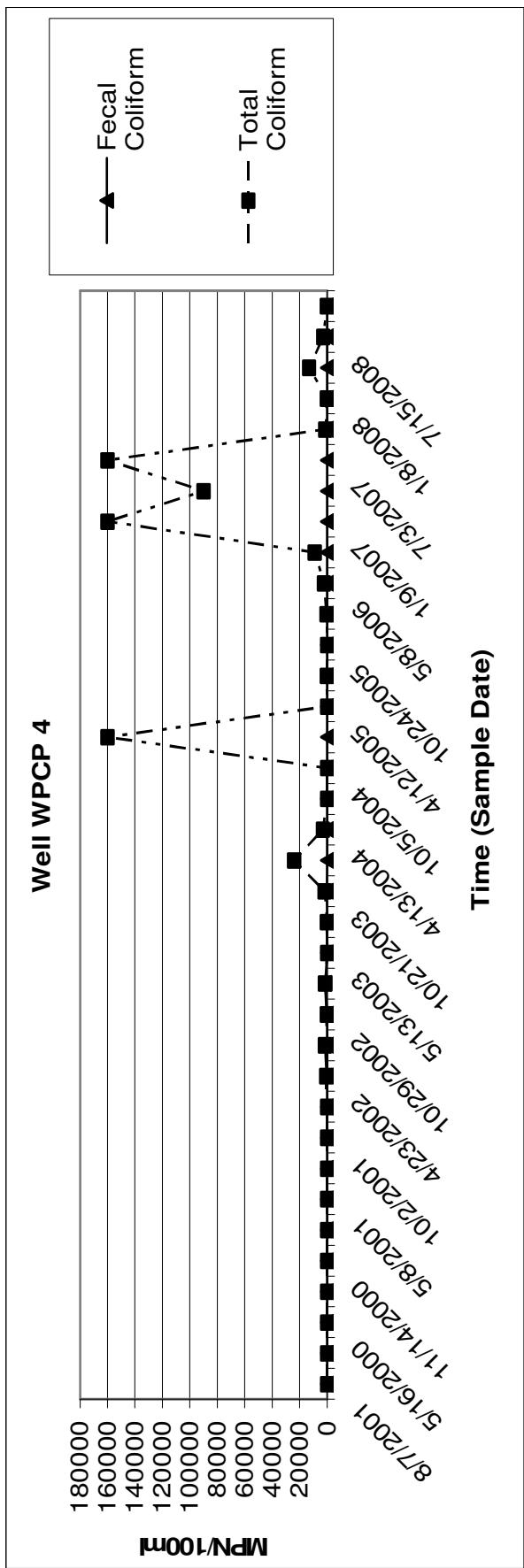
D R A F T 2 1 2 0 0 9

## Malibu Water Pollution Control Plant



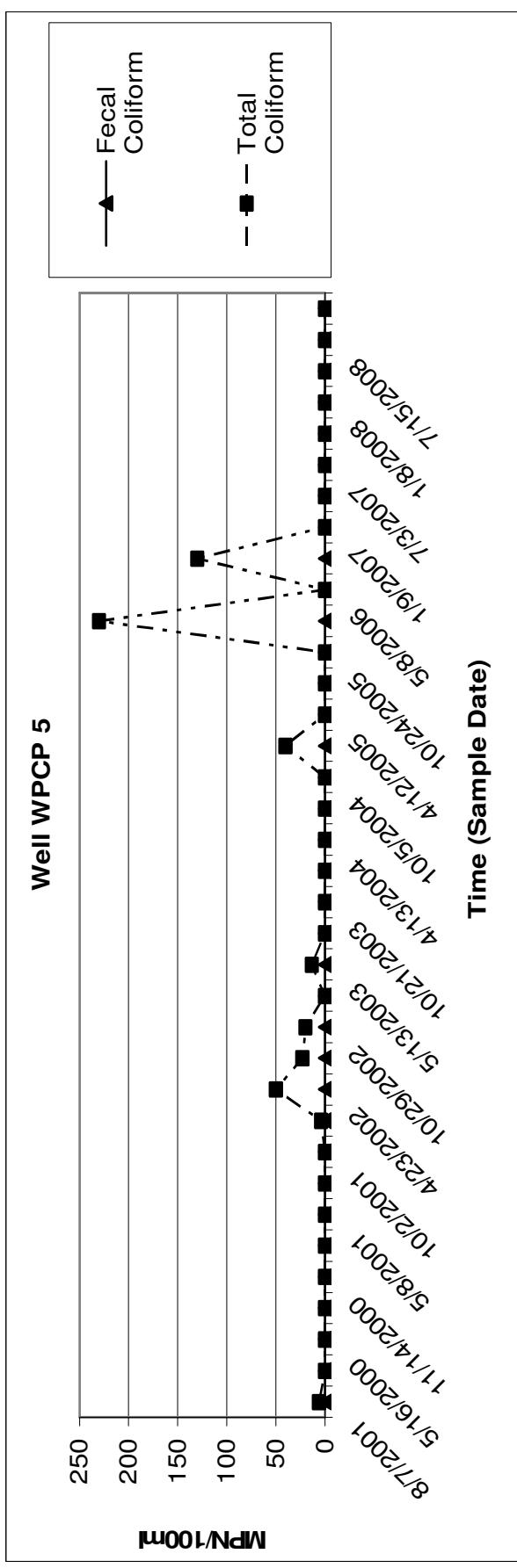
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### Malibu Water Pollution Control Plant

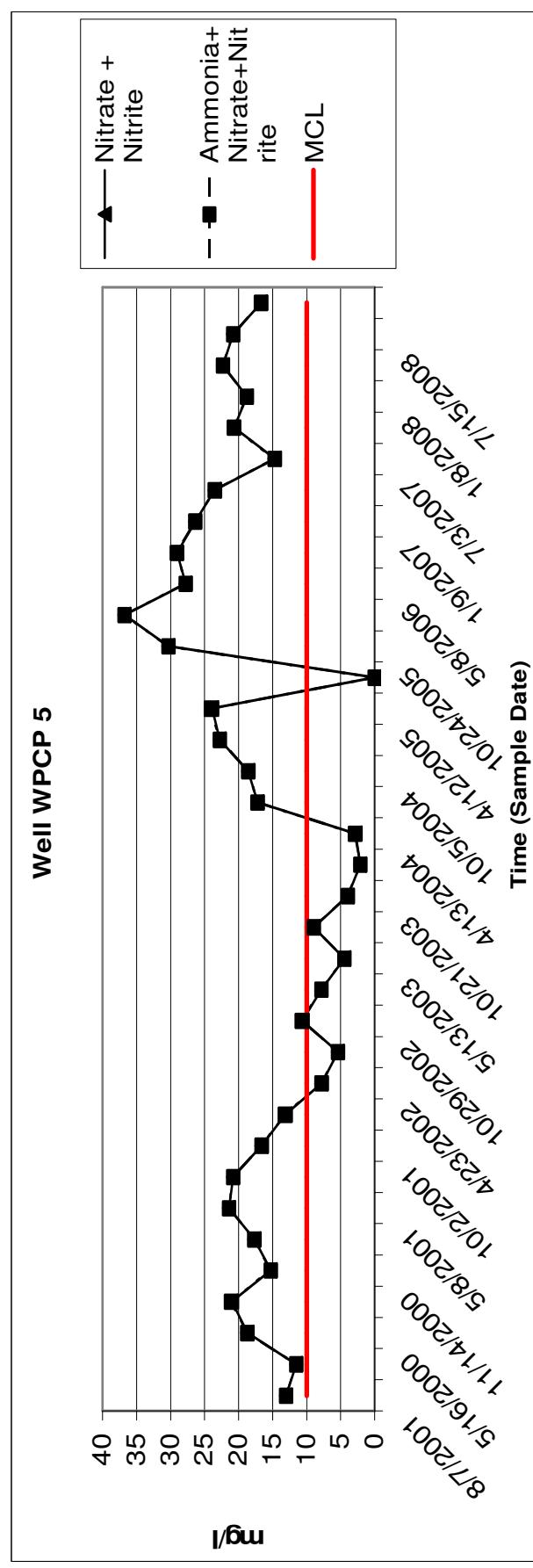


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### Malibu Water Pollution Control Plant

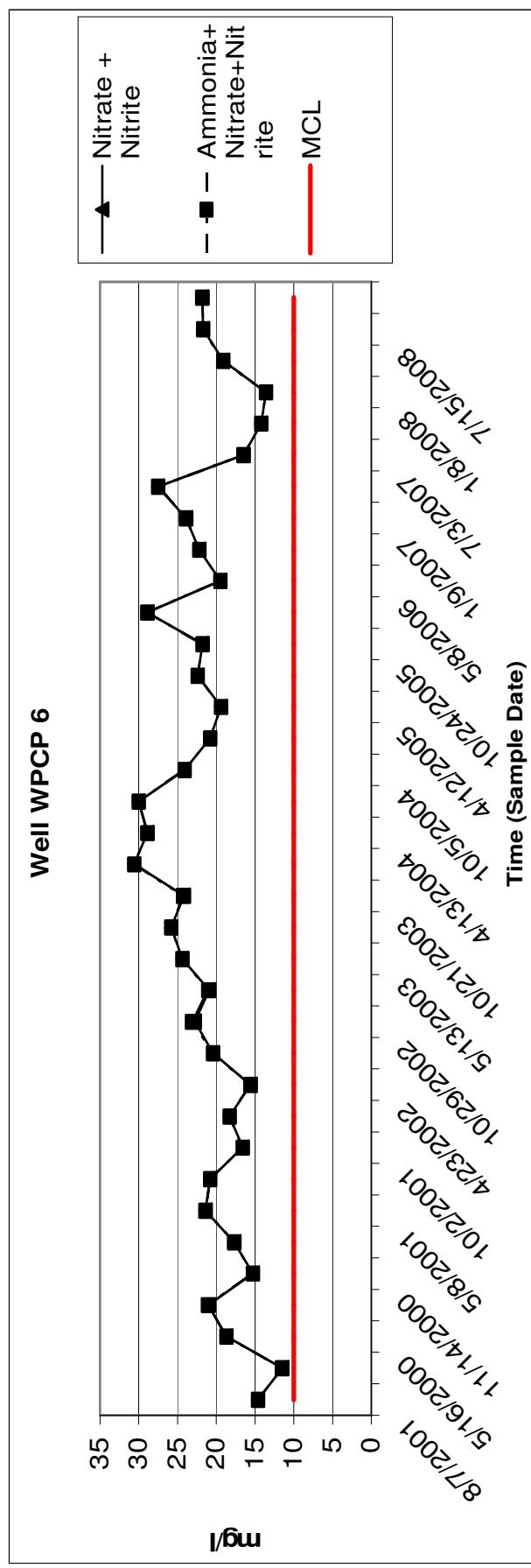
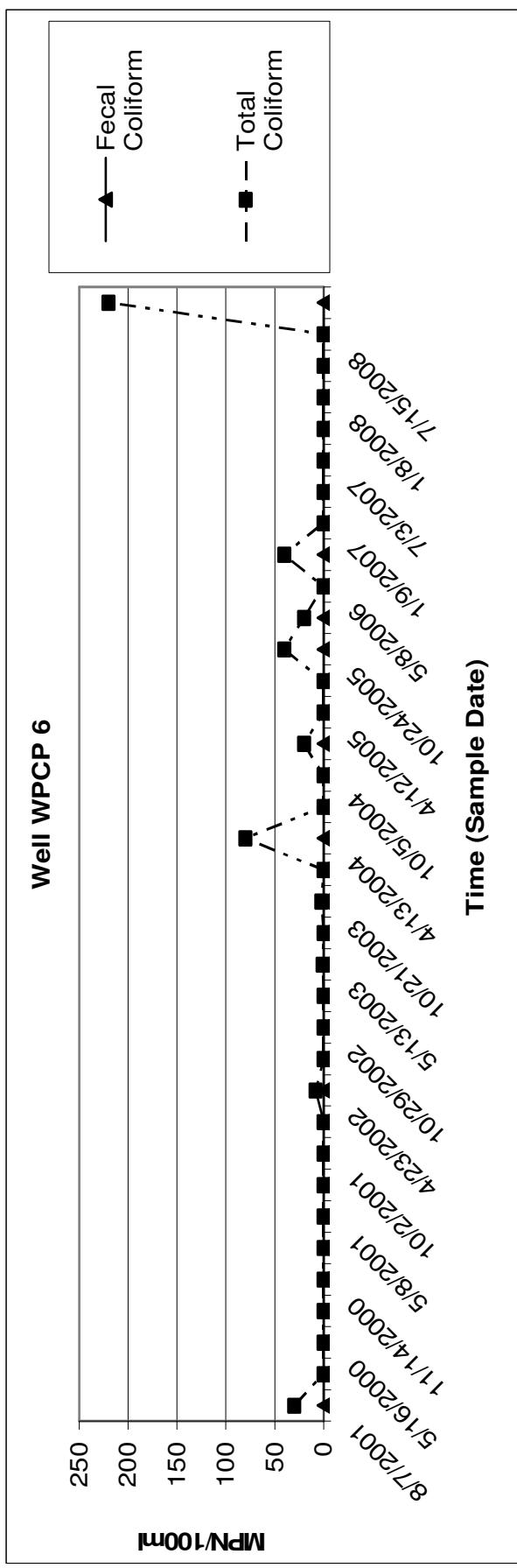


TM2-117



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### Malibu Water Pollution Control Plant



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9

### Malibu Water Pollution Control Plant

